Chicken Ovalbumin Locus.ST25 SEQUENCE LISTING

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Chicken Ovalbumin Locus.ST25 62760 aacatatacc tatgtaagtt aatgaaaaca aagacgtgaa ggccttttct aatcaaacag 62820 attttacatg gaaatcaaag ttttctcagc tgtgttgcag aaaaaaaata cccccctgtt ctgttactcc tataaaaacg tgtgaatacc acagattatt ttggaaatct ctactctcaa 62880 62940 ctaccaaaac tgccacagca tctcgataca ttgatgtctg atgttcagcc aagtttggac 63000 agtatgacac atgctcttga atgcagattt ttgtcattca aaacaccatt ccaaacaggg 63060 atgagagtga gcggtcagaa gcaggtgtcc ttgctctgga gacagttccc tgcccacatg 63120 tcccctcttc cctttcctgt cttctcttac ctaactgctg tcatctggtg agatctttac 63180 tcatctgatg caacctagaa tgcaaaaggt atgaactagg taaatgttta agactgcagt 63240 attaagtagg catttgagag aaatctctgt ccttaaggtg cttcttggaa gatcagcaaa 63300 cctctcaccg aggtaatgct tcagataatg ctacagactt tcctgtttgc gtcttctgtg 63360 tcagagcctg aaacgttatt gcaaatagat gtctggataa gaacagaact gttaaaatca 63420 ccttgccatg ccatataagt tccaatattt tgccattttt tttcctgggc agggaacatg ttgaagaaag tttttgagtt ctgttggaag tctttccctt ttgaagtccc ttgcagtatt 63480 63540 catcttttcc ttttccttct gtctctttca atagacagag ctgctgagca ccaatttatc 63600 agattgtctt tccccttctt tagggacatg tgattctggg gatagaagac agtcaaactc 63660 actgtgccaa aggagttacc gtcttccata tttgtgctgc tcttaagctc gatgcgatat 63720 tgactgaaat tctgtggttt ccctttgttg tctttaatct acaccaatgg agttacaccg 63780 aagtgcagtt ttagatctat gaaagcagtc tggaagatcg aatattccgt gtcattccca 63840 gaacgtggtc cagaacatct gtcgcttggc accacctttt ccattcctga ctgcatagat 63900 cagctaacag ccctacggca attgcagtta ctctgaactg ctaggaaaat atttgcagtc 63960 atcattgtaa gtgatgagtg ggcacatagc agtatttatg taggaggcta agtacttaga 64020 gtttctagga tgatctcaac ctacaggacc ggacagcttt ctggagagtt ctagcaaggg taaggagaac agggaatcac ctcttagaga gaggacatgc cacagctaaa gctttaatga 64080 64140 acaattagat gtgaagcaag agacaggaaa gatgattgtg agacttttaa aagcctatca aagcactagg agagcccaaa gcataggcaa agtaccttat aagttggcac atctgaagag 64200 64260 tatcaattaa aaacatatta aatccatatg ttatccgatg tgattcaata tgtgtgggtc 64320 accotgacca accoagattt ctccacgtat gtctggtaat actggctcta cgtagcacgc 64380 agaactgcca gctgtcactt gaaggtaagg gcttctactg agccactcgc attaccttgg 64440 ttgggcatgg atgagagact cctcaaaagc tgctggtggt gtctgagact gggcaggatt ggtcaggcct ttctcgcctc ccagcgtagg ttcaagctgc ccagtcccca aactggtgtc 64500 64560 cagcctcctt cagcaaggaa atcagtgacc tgccagcctc actgcaacag gagctcactc 64620 tgtgggtcat ctctatcctt ttctgtttca ggatgacgat ggatgctctg caactagcaa 64680 acactgcctt tgctgttgat atgttcaaaa agctatgcga gaaggacaga acagccaata 64740 ttgtgtttqc cccactgtgt acctccacat ctttggctct ggcatataaa gctacaaagg

Chicken Ovalbumin Locus.ST25 gtgacactgc agaccaaatg aaaaaggtga gctgtcggca tcctgctgtg tagctgcaaa 64800 64860 attgtcagag gtggctttcc tatttattcc tcttaatgct gtataggact gctggttccc 64920 ttgtaagcca ggcagaaaac tgtccatcca aaattccaga atatttcccc actccatggc 64980 tccacacac caaagaggct gaaaatcact agcataggga aaaaagcttt ctcaagcatt tacaaggtgg atggggacat ggcagagtcc tcagcagttg tattaaggcc ttgtctcctt 65040 65100 tcagcaggaa tgctgattgt ggctgaaggt gactgctgaa gtcactgcat tttctggata 65160 attgtttagt gattattcag gactgcctaa gcttaacagg actggaaata attttgccat 65220 taccaagtaa ttttagcagt tctgtctgtg ccatttcccc tttctcctgc catacagcta 65280 agaggaagat aatgcagtag gaggcagctc agcttgagta gtagtttgcc ttgcaaatag 65340 ctctagatgc tcaagggttt tacagcacca cgaagcagca tcatggtgat ggtgcaatga 65400 gtttatcaag gttgctctgt ggcggtgaga ggctgcacga ctgcctctgt gagagccagg 65460 atttacacag cctcttttta ttccagtgcc cacagtctca gcagttacct agaggtgaat 65520 gagaagcaaa ttcagcatgc atttatatgc tgattatcac ctggctctca ggggcattcc atgtatttga atacattttt cttcgtttag cagttcctcc ttgtaccttt ggtttccctg 65580 65640 acggcacatt gctggagcac agcctctggc gcctctgctc atcctacaga ttgcaatgag 65700 tctatttgca cagaaacaaa gtggtatatc cacaaaggcc tgctgggtgt tttcccaaat 65760 aggattattt taaaaaaata aaaataaaaa tgatttttag atcttatttc tagtttaaat 65820 gacaccccaa agcttccttg tcatttcaaa gttcaagcac tgtctttgca atggaagagc 65880 ttaaaacatt aacctgtgct taatttcact ttcacttgtg cctgcaattt gcattgaacc 65940 gtcccacaat aagtgaacat ccacatccac aaatagggtt ctgttacaca agtgcactta 66000 tgtttcacat ttctcaaggt aatttactgt gcctgtaaag acatggtgtg ttcagggaga 66060 aagagcagga gtgaggctga aagggaaaag gaggtcactg atgctggttg ggaaagatga gaagggttgg gcaggctgtt tttaatggaa catgcactct cagagacctt gcaacaggca 66120 66180 ggcacctaaa agcagagagg tttaggtcat gctagaatat cctggaactg ggcatgtgat ttcccggagc tgggaggtgg gtcagcagcc ttacctctaa cttacgttct gtctgccaaa 66240 66300 gctcacctgc ttatctgact gatttctact gaaataccac atgacatcat gtgtcaataa 66360 tcagaaaacc ttgccatatg gtaagcagtt tttaaagaag taacccactt ccagaaagga 66420 aactaactgg aacatttatt tatctggcct ctaaactcca gatttttgga caagaatgtg 66480 agtttgataa aagcatgact ccacgctgca gatatgtagt tcactaaatc actttgctag 66540 tatgaacagc tctatggaat tctttggact gctcacagga aggaaacaca tttggttaaa 66600 gttttgatag gatcaagttt ttagatttat gtggggatgt caaataaatt aattttttt 66660 ttagtaataa ataagagtga gaagtcgtgt tgttagcttg aacacaaaaa agtcaaagct 66720 ctggtcacaa acaagcatta tttattgcca agctgtcagg cctggagcat gtccagagaa 66780 ggacaacaaa gctgtgaagg gtctggaaca cagatcttac aggagagcag ctgaggaaac

Chicken Ovalbumin Locus.ST25 66840 tgggattgtt cagtttggag aaggagaggc tcaggggaga ccttatccct ctctacaact 66900 gcatgagagg aggctgtggt gagcttgggg ctgacctctt ctcccaggta gcattaatag 66960 aatgagaggc cgtgtcctca agttgcacca gaggaggttc aggttggata tgaggaaatt 67020 tttctttttc tgaaagagca gtgagatatt ggaacaggct acccagggag ctgttcaaga 67080 actgtgtaca tgtggcactg tgggatatgg tttagcgggc acagtggtgg tgggttgaca 67140 gttggactag atcatcccag aggtcatttc caaccttaat gatactatga tgctatgagt 67200 ttttagataa taaaaagaaa ggtgctcagt attttatctt gttcattatc aggtgctcca 67260 tttacaagac gtcaaagatg tttcttttgg gtttcaaacg gtaactgcag atgtttccaa 67320 actcacctct ttctttgcac tgaaaatggt caagcggctc tttgtagaca agtcgctcag 67380 ccctaccaca gtaagtactg cagaaaagtg cttgaattgc tcgaccaacc agacttcaat 67440 gttattcaaa atacgttctc tcactattag cttttacttg actagactca gatgatgaac 67500 agcataataa gagtttgtag gaggatgatt gttctgcttg accccaagca atgcagccac 67560 tgctagagtt gcaattcttt cattaatatg ttttaggtca gtaggcgcag taggttttga 67620 atgcaatatg acttctatgc cacatcaagg gctttgcaat ataagtatga ctgggaagga 67680 ttttaaataa agatggtggt gcaagtgtgt ctagtccaca cacccaagta attactgcat 67740 aaagagtagt tttcttaatc taactgagga ggcacaagcc tggttattca aacaacacaa 67800 gtgaggaaag tgttgtttgg ccatgaaact taaggacctt gcaaacaact gagaaaaatg 67860 ttgtgtttgt tttatcagag ttgcctttga atagggcccc aagcaagggc aacttcagcc 67920 tagaagtgat gtttcagaag actcacagcc tgcttgaatg gtgttataat caggttgcct 67980 gctttttggc cccatccaca gcagtgagca tctcacctga caaggatagg cacactgtga 68040 gcagcctgtg gcctttgtct catccctttc ttttgcccag gtgtagactg aaggctactt 68100 tatcctttca aactcaggca acatgttcac tcctgcagta cgaaaggtac tttagcagcc 68160 agtataactg tattgaagac agtcttggga gcaatctgct gaatgcggct gcgtgtcctg 68220 gctgtcacct gctgttactt attagctgtc ctttgtaata tactctctgc ctacaccgta 68280 atgaagcttg ggatactggt tttgtaggcc gtgtggagag tcatctagtg aagaacatct 68340 aaggaaggtt agctttggta ccttgtgtct ttcaggactt tgttaactcc acaaagaggc 68400 cttttccatc agagctggaa ctagtggagt tcaaggaaaa aactgaggaa acacggcaga 68460 agatcaacaa atctctctca gagctaactg atggtgagta gggcctaacc tcgggggatgc 68520 tgattacctc tttgaagaat gatgtctttg tcttcatgac atctcctaac tattgctttt 68580 agaagtaaat atacagtgaa agcaaaggga ctgcacctat tatttggatt catgaggatt 68640 agctgtgtta gcatgttta aaatcattta ctttactact gtggcatttc tggaggcaga 68700 ccttacatta gcctttggca aagcatctca tttgttttca ttgggaaagt ttggctcctg gctgcagagc ttcacaaaca tctgacatca atacatcaaa tcctggcccc gttctctaat 68760 ggagagtatg tgctgaactc tgaatttcag gctgttaatt agtagctcat ctcagcagca 68820

Chicken Ovalbumin Locus.ST25 68880 cagctgattt tgaccacagg tggacatgtg tttcttactt ggaaacactc ccgtggcaat 68940 agttctgcag cacttttcct gcagtaccac tgagccacta agtcacaaga agtgcctctc 69000 agtgaccatc aaggctccca ggcagaacct gcccagtctg tgcagggtag aggtctggta 69060 cgcagtgccc aaggcagagc tcatgtacat gctgtccata ggtagctcca gggttggttg 69120 ctgcctattg ccctcatgtg gtacacatat gaaaatatgg gtgcctgagt tacatctgct 69180 ccatcccgag gtgacacagg tgcccacagg gaagtacttt gcgctgcctg tgtgatttgt 69240 gcatgaatga agactaacat ccacaacact gtggattcag tgcctcatga cagtgtttga 69300 acagacacaa aataaagcaa gggaaagaat tacgttctct ttttgaaatc catggcacta 69360 tttggttatg aactgtaatt agatggttag cggcatttct tattcgggtt tattcttatg 69420 tatcactcca aaagtgagta gaagctaaac tggaacttcc cttgaagtct cgctctccaa atgagaaata ttttttcag ttctacctgc tgaatttcgc tgaagtttca gtaccttctt 69480 69540 taaagtacta aagaaaagca gtagacatat tttttattct gttttatgta aaccgagtaa aaatgtcact tggaagatct gtcttgatcc caaattccat tttaaacatg gagctgcagc 69600 69660 taaggaacta aatgcttcta tttggggatt tccctttata attaaaactg ctatctgtga 69720 ggtgcagggc agaaatattt taattcagta cagtgtttcc atgttctgtg aaaacagcac 69780 atatgttgat aatttactgt attaatgacc agcttaacca tcttcacagg caaaatggag 69840 aatattctga atgaggacag tgtaagtgac cagactcaga tcctcctagt taatgcagct tattttgtca caaactggat gaagaagttc ccagaagcag agatcaagga atgtcctttt 69900 69960 aaagtcaaca aggtacgtcc tgaaataaaa tagagtacac cttctactca gatgaatgtt 70020 tgccaatttt gtgctaagga aatttcagtg agagcaagtg aaaaatattt gttactacta 70080 tggcattctt agactctctg tcaaaaccta tgtgctgttg caaaagtacc taagccagtt 70140 ttcttgttac gttgctagtt tgaagctgtt ggtgaaacaa gcactaaagg tcaccgatag 70200 taggtaattc tttcctttaa agcacatccc cagtatattg tattaagtac accttgtcac 70260 atgaaaactg ctccccttaa agtaccaaca gctttcacta gcagtcttac agctgatatc 70320 gttacttaca gaagccaaca aattccatga tggtaatcaa tgtaccactt tcatgcaagc 70380 ttgcaaagtt tcctctcta tcttctctgt gaattaaaag gagtgctaga ttgtctcctc 70440 ttgtgttttg cagactgaaa ctaagccagt gcaaatgatg aatctggaag ctactttttg 70500 cctgggttat gtgaaagagt tgaatgttgc aatccttgaa cttccatgcc ttaacaaaca 70560 tataagcatg ctcattctgc ttcccaaaga cattgaagat gaaacgactg gcctggaaaa 70620 ggtgagagaa aaaaacagta ctgagatgat gctttccatg cacagctgtg tcggttagct 70680 gtgggtagct tgggtaggga ctgtcttcct tgaattcctt cattgggttg ttgagctgat 70740 tacatagcaa acgcttgtga agaaccagta atcagagtat gcacatttag tggagtttct ctggaagtct actctatagg ttaaataatc attatatcaa tataactgag agtgtaagtt 70800 70860 aactctgaat gctacaagca aaagttgtct tttggacttt gtttttttgg ggtttgatag

Chicken Ovalbumin Locus.ST25 gactgatgag ttcagaaatg gtctttttgt tcccactttc tctggactgc acattaattt 70920 70980 cctttgttct ttatgtcctc agctggaaaa ggcactcacc cctgagacat tattacagtg gaccaatccc agcatgatgg ccaacaccaa agtgaatgtg tttcttccaa agtttagtgt 71040 71100 ggaaggcgat tatgacctga agccactcct ggaaagcctc ggcatgacaa atgtctttaa 71160 tgagagtgca tcagatttct ctgagatgtg tgaaaccaaa ggtgtggttt tgtcaaagat 71220 cattcataaa gtctccttgg aagtaaatga acagggtgga gagtctctag aggtaccagg 71280 atatcggatt ctgcaacaca aagatgaatt taaagctgac catccgttta tctttttgtt taggcacaac aaaactcgca atgtgattct ttcaggcaga ttctgttccc cataagcaga 71340 71400 gaatattaat tatgaaaaag accataaatt tatggtgatg catgttcctg taaagcttgg tgtcctgact atcacctttg aaaggaattc taagaggttc atatatcaac agggtaatac 71460 71520 aatgtactct acatatgcag cagaactagt ttatttcctt ttatttaatc cccttaagct 71580 gaaggattcc cactgtgcag aacacatgat atttgactaa gaagtattcc atcctcatcc acgagaatat tttgttcctc tgtgacatct ttttccaaaa caaaatgaac agagaacctg 71640 71700 tttttgaaag actaggagct ggaagaggct ctgggggaaa gagctgcatt cctgtttcat 71760 atccaaaaca ccttcccttg agactcatac tcactgccta aagggggaaa atgtggacat 71820 gtggtgtgat agccctcctc ttgtacttgg ctgtagtctg gtgatccagg gtgccctgct 71880 ggaccctgct aatgcacggt gaaatagtgc agctgaacaa ctcagagttt gcatctgtga 71940 aacagcagct gcaatatgga tgcaagaggc aataataaaa cacccagaag actcttcagt 72000 gtgtgctacc tcagtttgta ggttggggag gttgcactct actgtgtggg attttttcac tcattctcct tcagacatgg cagaggtgac cagttcactg cagctgagag gaactctgtt 72060 72120 gtatatatcc tgagaaaaag aaggctgtgc agttctagga tagaaatcac ttggattaat 72180 attgaaaatg ccacactctt cagatacaga ttttctgtca cttctggatt cagcattaag 72240 gaggctccac acgtctacct aacctctggg attcaagaaa gaaataaagg ctttgacttg 72300 agtgagatta acactgtaat tagaagtctc caaattccat atgaaattat ggtaattagt 72360 tttcctttct atctaaagac tgcctgctgc atatgttcag tactgattta cctaattact 72420 gttcagaata aagcactaca aaacctgtgt caaatgtctg tagcacatcc agtgtcagtc 72480 tgttctcctt cactcagctt ccaagagggg ataggaacag aaattggtag attcattcag 72540 gacacagtta aaataaatat atgaagaaat taaatctgtg actgaattgc ccttttggac 72600 cacacgataa tagctgacaa ttaaggagta tagtactatt tggtcaatat atagagtgag 72660 ttcaattata tatcttcaaa gaaggggcca ttttaactga gtattcccct tggttcttca 72720 gatctgaaag aacctagaga tttctaaatg ggaacataca acccttaata catattcctt 72780 tcttctcata gcagagaaca gcacagtggc tattatggat ttggagagag ttctgttttg attcttggcg ttcccaaccc acatgtagcc ttcagtcaca aacgttcagg gtttcaccag 72840 72900 ttgtcttccc tctgtgagtc tctaatgctc tctgacttat cttaatatca gacagttagt

Chicken Ovalbumin Locus.ST25 ggatacattg gttcacatct ttgaaggcac tgaggggact aactcaccaa aaccaacaag 72960 73020 agatgagtcc ctgcaggcat ctgggggtct ctgctgctct tcatcaggca ctctgataca 73080 tagatagaag aatgctatgt gtaagactta atttcatact gtctgagagg agacagcctg 73140 caaagacctt tactagctca atagcttcag tgataaatga gtgtctggaa aatgttttaa tgtgtcccat cattgtctga tctgttttgg aggctgcggt tggagttatt cagagctgtc 73200 atcactgcgg tgtcccctgg ttctcccatt ggtctgggca ttgcacgtgg ggttggcagc 73260 73320 cgatgagcag ctgggcagtc tgtacatagg caaggtggac tggttgccta cagtctgtgc 73380 agtttctctg tgtttcagca ctgactcgtg gtctagtaat tgcaggtatc cagcaagcca 73440 aatcacactt cattgctact gctgtgctgg tctgctagac tgatgaaaat ctctgttaga 73500 ctgcctcatc tctcttttc tgcctggata agacttatta aaggagaaaa gctgatatat 73560 cactctcaga ttttctagat cacgaaaaca ttgcagtgca ggagccattc aatccagctc 73620 atactccatt taaatgctga tcagaacact tagtgcatcc acgtacgttc ccagagagct 73680 ccttgttggt gcctttgcca aggagggcta tcccatgaaa gcacacagga atgctgcctc 73740 cggcagagac ctgtctgtct ccaccttctg attaacacaa aggtacccaa gactatgcaa 73800 ggcaagctga tatttcagat aagaagttgc ctcagtttac agaaggccat gaaaagctct 73860 ggttcatttt ccatatctgc ttcttctctc tgcttttgga aaataattct tatttcctac 73920 tagcaagtcc agactagtgt aatatttagt cttgatttgt taaatcatcg tgaattttag 73980 cttttactaa tggtatctta gatgatctaa tatactaaca cctagtaagt gacttcagat 74040 aaggtgttag gcttatacca cagcccagtt tgaaggagct aagtgcagat ggcaaccaaa 74100 caagcaacaa cacaaatagg cccaaatagc ccatggaggg ccagaaagta cagctgcagg 74160 cagagctgtg atgtaatcca tttttgtgag ccccttgaag ccagcaggcc agcctcgtgc 74220 ttitagtgta atggacatca tacagccaaa aaggaaggtt atgccataat ccttgctcca 74280 ttcagcaatt ggactcgagt gtactagccc tgtttcctag acccttccag tcctatggaa 74340 atttagaagt cccaatgtaa aacctattca acttgcagca tgtgagagga agatatcaga 74400 acagctcccg ctaacgtgag aaatgccatt acagggtact gtactgttcc acccattctg 74460 gcctctgggc tgtgggcaag aaactgcatg ggaggacatg ggaaaacctg tgtgggagct 74520 tgcatataga aatgtatttg tactcaaagg cgttggctgt gacggagaaa gtgagcatag 74580 gtgaggactt gctcagatca ccaagcaacc ccacctcacc tttcaacaca gcattactat 74640 ccaatgatgg gtaactggcc tgatggaaaa aagcaagcca tggctggctt ttgcaggcag 74700 ttgcaaactg cagtgttatg cagtctagcc atctcataac ttgcttagct gcatagtcat 74760 tgcccacttc ctgctcccag cattttgtag aagagaactg gtacatctaa atgctttgca 74820 gtagcaggaa ttggttttgg agatgagcag ctggttttga aacttgaaaa atgccacata 74880 caggcaattg gcctggctgg aaaagcagtg cggttttgag ccttaggtat gttacatgtg 74940 caagtgtaga gtcctacacc tggggaggaa tgactgcagg taccagtaca ggttaggggc

Chicken Ovalbumin Locus.ST25 75000 tgagctgctg gtgaggagct ctgtggaaaa gaacctcggt gttctggcgg gcaacaggtt 75060 ggccatgagc cagcagtgta cctttgtggc ccagaaggcc aatggtatcc tggggtgcat 75120 taagaagaat gtggtcagca ggttgaggaa ggtgatcctc cctctctgtt ctggtgaagc 75180 cacatctgga gtactgtgtc catttctggg ctcctcagtt caaaaaagtc agggagctac 75240 tggagagaga gtccagcaga gggccacaaa gatgcctggg gtcctgtagc atctcccttg 75300 tgagaaaaga ctgagaaacc ttgggttttc cagactggag aagataaggc tgaaggggga 75360 tcatatcagt gattacaaat acttaaaggg cagaagccaa gtgaataggg ccaggctcct 75420 tttggtatcc tgtgacagga aatgggcgaa aattcaacac caacaagagg aagtacttct 75480 ctactttgag ggtaacagag gactggaaca ggctgcccgg agaggttgtg gagtctcctt 75540 ctctggaaat attcaaaacc tgcctggatg ctttcctgtg caacctactc tagggagctt ctgtaggagt gagttgaact cagtaatctc cagaggtccc ttccaacctc tacaattcta 75600 75660 tgattccatc ctaacggcct tagaagggtc agaatttgca catacggtat aatgttctga 75720 ggcaaagcag tgaaacagat tgcaaagaag ctctaaggag atatagagag caaatcaaag 75780 aaatgagtgg aggaacgacg tcagtgtaaa agggagggag aaagcacaga gtttggaaga 75840 acgaaagcag tgaaaggtat tcaaaaatgg cactgaaaag tggctaggac tcacaaaagc 75900 agcagaagaa aaaatggaga atggaatggg aaaggcaata ggcagaaaga aagaaaaaga 75960 taaagaggca ggaacaaatg actaagaagt ctgaagaaat atgcagaaag gaaaagcaaa 76020 caacaaagcg aatccaaatg gaacagaaaa aaagtgaaaa gaaggaaaat attactgagg 76080 agatctgata ctgtgtgcag atttgtgctt cccatctctt tctttgcatc tcactgcatg 76140 ttggggacat aaccccatgt gatcagcctc tcttggactc ctattcttag ctccagtgat ttaaaagaat acccctggg tggggattcc tgttacagat caaggaaata cttcttcctc 76200 76260 tctctaatta aaatccttcc actcacagaa agctggctct gtacctgaat gcgtgcctac 76320 tacctgtagg caacataaag ctcatgcatt tcctattcat ttgctctatt tctgcaagca 76380 agctcagccc caaacaaggg atctctaaat cctagcaaga accctgcaca ccccagtgtt 76440 caagtcctga caccaccaaa ttcaaaagga actacacaca gcaccacagc catggatctc cagtgttaat gctgttctcc agctaagggc gacttggctt tgcagtcagg agatgttgcc 76500 76560 aggatgcctc ctgtcaaact agttgggcag ctttgagcga aatgctgtta gcacattgct 76620 agatataggt ttcctggtct tctgcaggaa actgaaggat gacatttgca tgaaattaca 76680 acgtgcagcc tttatcaaca attggctaga gactgaattt tcccacaaga aagtggaaga 76740 aatttaaaat agagtataca caggaaggtg ctccagagct cagctgttgt gttcttcatt 76800 tgacctcctt gctcaagaag gtaaacatta tttttctctt caaaaataac ttgtcttgtt 76860 gttgttgttg ttttggccaa atcagtctaa aagttggtaa atttcatgtt tatagatggg 76920 gcaaaggggg aagtactttc acaggctgga gagagcaaaa gacactgcta aaatttgggt 76980 ggtcttcacg aagggaggtg gtcttctctg gggtgaggct gggaatttag gaacacatgc

Chicken Ovalbumin Locus.ST25 77040 ccaaagctat gaatctaaag atgcctgtct aaattcctca gacttttgac tgaaatttcc 77100 ctcggttctc cctgcctgct tggagagcta taactgccac agactgagtg gtttatacca 77160 catgcagatg ctttgctgcc tacatctcca gaagggtcaa agggctgttt tagaacagcc 77220 caactcactc taaaaaaatg ggctttatga gaagcgatgg tgcagatcat ctggataaac tcacccataa attaatagaa acaggttaat tttccttctt tactcaggtt tccacagcac 77280 77340 aaggaaaagc cttgaaatgt tcactagaca agagagggca cgcaactctt tggttgcgtg 77400 cttgggtgtt tcctctgtac cctggtctct gctgctagga ttgtttatgt tcttaaacaa tggctgtata taataggaag ggtggagtat tcttcagatt ttgttttggt aatggggatg 77460 77520 cttcactatc aacatatttg ctcctggctt tggcagcggt gttcaaaaat ttgctgagaa 77580 gtttatgtaa ctacacattg gcataacaaa tagcttgcca ctgtatggcc aatgtacatc 77640 cattcctgtt caagcaggaa taatcagcct agaaagaagc aggaaagata catcctggag 77700 gtaccgatgc aaaataatag aaccagtcag gaaaagccct ttcctgtata aaaacagcat catgaggggc taagttgctt gggagatgga cttggcaaca cttctcctga aaagatattt 77760 77820 tgtgctgaaa tgtattgggt tttaatttaa agcacattgc tttggaaatg ctttgtgttg 77880 catggggaag actcgaattt ctgcgttaaa ggaaatttca tttttcttat gtgttgtgtc 77940 cctttaaacc caaaaagcca cagaaacact ttgaaagttt ttgtatgaat ggtcatgaaa 78000 aataacttct acaaccatag gcttttcatg tgaggacact gtattatctg ttgtgttctc 78060 cttttctagg atagacacgt atcatttccg ccaattctct cttcctttgc ttatgagaaa 78120 taaatgtata ttaaagcact taaatgagaa gaagagtaag tatgcaattg gaattatcat gcagcatcag ggaaaacagg tttcttcttg ctttcccttt ctacatatag aactgcctta 78180 78240 caaaccaggc taccactctt tcagaatctg cattttattt actgcctcct cctgttgact 78300 gcataatgta acataccaca tcttttaatt atgatagctt tgagcgcagc ttttcattct 78360 tcagtaagtt ttgccttgat ttcatcttta gcctaaaaca agctctacag agagaacaga 78420 gcgtgaacag ctatagaaaa ggagtatttt tcacttcacg gagccatgga agcaatttgt 78480 tatccttaca agacttctgg tatacagtgg tatctacgga aggaggctct tttcctgggt agatccctgc tcacatataa caacgccagc aattccacct cccagactgt taacagctac 78540 78600 tgagccatca tgcaaagcat ctcccttcat cagccataaa accacagccc tgcttgctgc ctctgcacaa ttgctaatgt tctgtgcaaa cagtttgtct ggtgcagaac aacagctgtg 78660 atctttctgg aacacttctt ttgatcttgt attttctctc cttcccactc caagatcttt 78720 78780 taaaagaacc atttccattt gttgcccaac atctaggtgt tctcaaagtt actctgccct 78840 cacggtggct ccaaaactca ccaacaaatg attacagaga tcataagcat ggcttaatga 78900 tgtggaatca tacctacaca tactccctct ccaaatatcc attaagaaag ttcactaaat 78960 cctttggttc tctagtaaga aagttccttc tccagcccac atcccttctc cctccactgt 79020 tgcattgctt ttctggggca gccctgtaaa tagctcacat gaagccatgg aattggtggc

Chicken Ovalbumin Locus.ST25 79080 agtggttgta cctggacgtc actctgaaga cagtctgctg ctttttctaa aggcatggac 79140 acctctgtac gccagacgct tgcctttaag acctgtttcc agctctcatg ctctcctct 79200 gtgcttggtg gttggttctt tccctgtggg ttggggtgga ggtgcctctc ttctgttgag 79260 qaaqttcatt agctcctgtt gtctcctcga cgccttctga ggtctagaca cacctacaac 79320 atgcatcctg acctacattc acagtaaaca acctcttaga tccattttag atcttttacc agctgtgaaa gtggagcaac acaaacttta acatgaaaga agtgctgagt tttgtttca 79380 79440 gaaggttgtg aataatagct aacgagggtg gaagaaaaga gaaatgatta ctgcaatgtg 79500 ttttcttgt ggtaggatga ctgcccattt atgttaggcc ttcatatgaa gtactactgg 79560 acttcagggt gaaacaagtg tcttagaatg aaacatatat gaacttttta tttcaagtta ggtaaaagga aataaatgcc tgcacttgcc acatatcagc accttcatat gttcagcaac 79620 ttgactttcc tgtcaatcta tcttaggcta agcctttttt cttgtgggct gagttcattc 79680 79740 ccattgtctg ggacttgctg caagctaagc tgctcgcaca gacaacttgc tgcacctcag 79800 cagagccata gcaacttctt acaccctgtt aactttggtg cctgagcccc cacttgtcat 79860 acaaagatcc tgcctgtctc acacctgaat gagaggcagt gtgtgttccg catccttgca 79920 gtcagtgcag gacgctgagt agttcttgtc ccagagcagg ctgaaagcta gagccaccct 79980 gacctgagtg ctttctccc acactgtgct atatattttc ccctaaataa aatatctttc 80040 tggaacacag gccacagtta cttatgtctg caagcagcca agagcatatg ctttgctttt 80100 cttacatatt tctggtgtgc tgtccagaac atcctttgtt tgacactaaa attgatgtgt 80160 gctttttatg gtacaatatt ttgagaaaaa cttgagtact ccactgctat ccacacaaca 80220 gctttacagt tatttcccta aaggactgat aagggcttct taaaagcctt ttttttttt ttcagatggc attcttcatg aaaagaccaa gctgaaactt agtcccaaat tcttcttacc 80280 80340 agagtggatt taatggccca taggaaaggc atcagactgc tgtatttaca gtacaagaga 80400 aaagaatgag acagatettg teetgeeatt gaacaggaag ettacagaet ttetgggget 80460 gctgagctat tgcttcgttg tgaaattgcc attcgttatc cattctgaat cagtggttcc 80520 tatcaaatca atgaggagac atgaagtata ctgcaaacag tgcatgtttc cataggtagt 80580 agcattcata gctgcttacg ttccttcttc atacatgaaa ataattacta gtaattttac 80640 tttcatgaat ctgttgtttg aatccttcac actgcagctc aggttaccag atgtggttag 80700 atgcccgtgt agtttctgtc accccaatct gtctctaatc atgttgttac aagaggaaag 80760 aactgatgcg atgacacaca ttaaactagt ttgtagaagg aaatccacgg ctgactgatt 80820 taaataccac aaccttttgc ttacaaataa gaacaagaca gacagaccac gggaaactct 80880 tttggaaggg atcagataca ttgtgggata agatggaaaa acaattctct ctaaggaatt 80940 ctcatatggt atgagtattg gggccccttt ccagatcctg ctgtattcac atgagtgtga 81000 attaatagat gtgtgcaaaa tcagctattt caaactcaga attcagcaca cttctactat 81060 ttagcaaccg actatgggat gattttaggg cggacagata cttcacagta tgatacagat

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Chicken Ovalbumin Locus.ST25 tggttgtctg aattaaagct gggcaaaaat ctaaacttgt taatttcccc atcttctaga 87240 ctgaaagcac aatgacctat gaaaatttaa tgctgtggtt ctcttccgaa catatgtttg 87300 87360 agatggtggt agaggtgtac ctgccccgat tcaagctcga aggcaccttt gacctcaatg 87420 aggtattaaa agcaatggga atgactgaca tcttcagtga atccaaagct gatctttctg 87480 cattgtcatc tgagaaatcc ctggtgttgt caaacattgt ccacaaggct tatgtggaag 87540 tcaatgagga gggtactaca gcagcagctg ctacaggagc taccattgtg aggaggtctc 87600 ttcccctcat agaggtgttc atagctgacc gtcctttctt attctttatt aggcacaatc 87660 ccaccagtac cattettte tttggtaaat tetgeteace ttaaaatcaa ggccatette 87720 tagcattgtg agaaaaacct ggatgaatca gaaatactat ttttccccct acaccttctt 87780 attcctatga atgattgtag atcaaagtaa tcactgcagc caacctagcc tagaaccatc 87840 aattgaatgc cctcctgtta tgctccttga atggcaaata ttgatctgaa tctaaaacag gagtaagttt tcccttaacc tgactggaaa tcaagaatat tttgtttctt caaggcgtac 87900 atacactcct gtatagccaa gtatgtccgg catagccaag taatgtagta cactatttgc 87960 88020 ctggcaaagg tagaatttgt atgctgctac ctgaggagaa ctgtttgtaa caattttcag 88080 taactgccag taaaagtgga gtattttat tttctctgta gtttttgatt tcctgccagg tgggacttga ttaacagaga ggggctttgg aaatgcttta tacttataca taatctgtat 88140 88200 ttgtggcaaa tccttcgcac agtggagatc tcactttgat aattcccttt cctgtagcag 88260 cagtcacaag caagcaggaa atacttattt acagcaaatt cacgtgttta ctgacaactg 88320 taccaccttt ccccccatga tgtatgctgg atctatcctt ttgccatata aaacgtttat 88380 gctagaagca gctttggttt catttattta tttagatata agcctgcatc tgaagcacca 88440 actcatcaac tggaagatag atggaatatg acatataccc ctttcacaat cccttggttt 88500 tttccacatg agttctgtta gaagcactgt atttttcctt ttttaagata acaacagtag 88560 gaacactcat ggaaaggaca agattacgcc tcatgaacac atctagtaag agagttgatt 88620 ataacagcaa ctgagtatgt gggaaggcaa gattttgacc ctcgttttac aggattttt 88680 ggcactcttt tttgaaaata aatccaccct taaagaatca cagcatggtt gatgttgcaa 88740 gggacctctg gaggacattt tgtccaactg tcctgttcag gcagggcaac catgtccagg 88800 gggcttttga gaatccccaa gcacagaaac ttcacaacct ctctggacaa cctcttctga 88860 gttcccacaa ttttgaatga caccaaagag aattttgtat gcgcagtgtc tgcaggaatg 88920 ggatgtgaaa acacacattt ctaaagctta attacttaca tagtgaagta attggttttc 88980 ttccttgagt tctgctctct ggtgaagttt aatgatctga gatgcatgta tatagatata 89040 caggtctctc cagccctgag gaatgaagaa aagttttgaa aagggcaatg taagcaatag 89100 aaatcacagt caaatattac ctggaaaact ttttagtctg agagataatt agaaaaatag aattagcagc tgactgatag agagacataa ctgttaagtt gctggtttaa cacaagtaat 89160 89220 atcttcctca cagagttcta tgtgaggttt aactaactag cgttggcaac ttgtgctttg

Chicken Ovalbumin Locus.ST25 89280 tgacctataa aaaggcaagt atacattagc tattagtcat ataattgagt gtaaagctcc 89340 ataaagtaat tcatgattag cacagtttat gtaccaaaag ttacctgcgg ctctttggat 89400 aagaaagtct aggcatgatg ttcgagcaag aacaggcagg agtaggacaa taatattcaa 89460 acaacttacc cttactgact aatctgaaag cacagtacaa tgtaagcagt acttttccag 89520 attgtgtcca tgtttccatt ctggaggctg acagcacaga ttgcctacta agctatgttt 89580 ttattacctc caggtgtcat cacttggttt ttacataccc tggggaagtt ctgagcacca 89640 caacctcaaa catcagtccc acttctgcaa cgacaggaac agagattcct gtgatgaagc 89700 gtcgaataac acagtgtctt gctccagttg ttggaggaga tggttcatga taaatctaga 89760 gtgagattaa gacacagatg aggtcaaatg tcatccagct agtttatgac aaattctaag 89820 cagttaagga atgtgggaaa catggcaaag ttagcaacag taaagggagg aattctagca 89880 aactggctat agagcaggga tactcacccc catggatcta gcagtatccc attggtttgc 89940 aggaggttgc aggtcagtca aagacatatc actgatctgc acagctgcag ttcagtggag 90000 gattgtctct gttctaccac tgaactcttc aggctttatc ctcttcattc tgctctcatg 90060 caccttcagt tactcagggc caatggcatg tgtgcctccc attgggtgat cggctgttga 90120 tcatgcagca atcacaccc tgccacctgg cacgctgttc ggcatgtgta ctgacttaat 90180 ggaagagacc ttttaagctc atctagtcca actcccctcc actgaagagg gacacctaca 90240 gctagatcag gttattcaga gccccgtcca gcctcctcaa tgtctccagg gaaggggctt 90300 ctaccatatc tctaagcagc acattccagt gccccaccat cctcactgta aaagaatttt 90360 tctttatatc caagccaaat ctcccttcct ttagtttgaa actatttccc cttgtcccat 90420 tacaacagat cctactaaag aatctgtctc cttcttctta agagctccct tgagaaggga 90480 gctcttctca ggtcaccttg gagccttctc atatccagac tgagcagtgc tagttctcag 90540 cccgtccttg taggggaagc attccatccc ttggattatt ttcctctgga ctcacttcaa 90600 cgtccatgtc tcctctgtac tgaggactgc acatttggat gtagtactct aggagaggcc 90660 tcaccagcat agagcaaggg acaggatcac ctgccttgcc ctgctggcca tgcttctttt 90720 gctgcaacct aagatacggt tgactttcta ggctgcaagg gcacactact gactcacgtc 90780 cagatgccat ctaccacagt acccctaaat ccttttctgg cagggctatg ctccctcttt 90840 tcgtattcca gcttgtaaat gtagtggggg ttgccataac ccaggtgcaa gaccttacct 90900 ttggatttgt tgaccctcat gaagttctct cgggcccact gcttgagcct gtatggatcc 90960 ctctgaatgg catctcatcc ttcaggagca tccactacac catacagctt ggtgtccttt 91020 gcaaacttgc tgagggtgca tcaaaatcct gttgacaatg ttactgatga agacactaaa 91080 gagtactgat cccagtactg atccctaagg aacactactg gtcactgatc tccatccaga 91140 cattgagcca ttgaccacca ctctctgggt ttgatcccgc agccagtttc tagtccacta 91200 gtcagcacac cactgatcat agccacactc gaaggggcag tcatgcaagc accaccctgg 91260 gtatttattt cccagcactc taaagcagag ctcttgctcc agctcatgtt attttctgtg

Chicken Ovalbumin Locus.ST25 91320 tggcaaggag tgagattcat cgactctagc aaatggaact aatggctcca tgtgccccag gtctcagctc agcaccagcc aggccagggc tgagtccccc cacatccaac ccataaggtc 91380 91440 ccagaggact cctacgttta ccagtggtgc acagagatga gtttagccca agtccacccc 91500 tcagcctcaa ctcccttcaa cacctcttca ccaagaggcc caatccatca ctccttacca 91560 gccaaaacat atacttgttt aataccacag ccacaaaagc cacgtggtaa ggtctgaaga gaccaaaact gtggtttgag taaaacagaa ggaaagcctc tactcagtac cccacttatg 91620 91680 actgagttac taggatagga cctgattcta cagcacccca ataccctgta gatgtattcc 91740 tttaattctt cacaccagat taaggctgct gccaccaccc accacaata aatccttgct 91800 taggctgatt ataacttaca cctgtggctt ccacagtcaa atgagattcc cagtgcccac 91860 ctgcgtgttc aacttcctta aggcaaagca tcttgcagtt agcagagtgt taagaaatct 91920 tcttgtattt cctttaacac acgtttatct tccccagtga tgctgaattt gcaaatgctt 91980 tagggaaaaa ttggcagcaa gtccttacat aattactgtt tagcctagaa aataacaacc 92040 gaggtagaat acttcagaaa gtttctaatt taaggttttt ttcttgatga gagaaaagtg 92100 ctatcagagc tgtttagtaa ttccagtcat gcatgggtaa ctcattcttc tgtgttaggg 92160 tttactgaga ggtgaagaaa caagtagttt cttttcctta tgaaaaaaaa aaaaagtggt 92220 attagaagaa ccccataaaa gaatgccaaa cattgcagct tatgatgtgc aatgtgtcac 92280 tcagtcttac agatgacaca gcctggaagt aagcttaaaa aaaatgttta attcctaact 92340 tcttttgaca ccatctgtgc tgtggtttat gacatccatt aataatgttt atcactaaac 92400 aacaacagat agagagacca gaaactaagg atgctgctgt catttccttc tgatgcaagg 92460 tagaaacatc aggaaattaa ggcacactga aatattttgt aatattttgg actagaagca 92520 aaaccagaaa ctgagttgca tttgtctcct ggagtacatt ctacaggtat ttaaaaagag 92580 acaaaaacca taaatctact tgaatttaat ttgaagtatc aaatgaaaaa gatgtacctg 92640 attttattat cctccacact ggtcttctga acttgaccaa tcccactggt cagttactgg 92700 tttacgactg ctcaagctgt ttgtagcaac tatgttgtac cacaaaatat ctgagccatt 92760 acaaaacaga agagtcatta ggcattttat ctccaaccca aagcatacat gcatgtttta 92820 aaatctcaaa ttctcctgac tttaattgtg catattatgt tcaccaaacc ttttagaacc 92880 tgccttgttt tttttgttct ggtctgtagc tgggagtcag agaaattcaa ctgtgattgg 92940 aaaaatggtt actggcaagc tatagagttt ctaagccaga aggtgaagaa atactacttt 93000 tttaacactc ttggcctggg actagactta cagacatgat caatattgaa aggcaatttg 93060 gaggtataca ttttaacatg tcctcagtct ggagttagct gtgtgtccag tttcctctca 93120 gtgtgagtca agcaatagca ttagaaagtt atgccccaag tctcatcccc tcctattgaa 93180 acttggcaca gcacattcag gctgtaagcc accaggtcac agccccctta aaggattcgg 93240 caacagctgt ggttgctatc acatggtgtt gatcatcgtt gggcccctca ctgtaagaaa 93300 gacattgaga ccctggagcg tgtccagagg agggcaacaa agctgttgag gggtctggag

Chicken Ovalbumin Locus.ST25 93360 cacaggcctt atgaggaacg gctgaaggaa ctgggattgt tcagtctaaa gaagaggagg 93420 ctcaggggag accttattgc tctctataac tacctgaagg gaggttgtag tgagctgggg gtcggcctct tctctcgtgt gactagtgat aggactagag ggaatggctt caagctgcgt 93480 cagggaaggt tcaggctgga tgttaggaaa tactacttct ctgaaagggt ggtcaggcac 93540 93600 tggaaagggc tgcccagaga ggtggtggag tcactgaccc tgaaggtgtt caaagagtgt 93660 ttggatgttg tgttgaggga catggtttag tgagaaccat tggtgaaggg cgaacgaatg 93720 gttggactgg atgatcttct gggtcttttc ctaccttagt gattccatga ttctatgatc 93780 attacactgg atttgatact ctgtgagcaa aggcattgaa gtggtacaaa aaattcaaca 93840 ttctgcatta aattgtagaa tctggcaagt ggaaatcgtt ttctataggc acagccacgc 93900 actcagaatg tgtttgcaat ttgcttgcat ttagtcttct gcaagtaatg actgctttct 93960 gtatgcaaat gattgatcca tgtgaaaaaa tctgcttgtg tatctgtgaa tcaaatgcat 94020 tgctttataa tgtgcatttt ggatcattta tttgtggaag taagtgtaaa aaacagagcc tgcaattgtg cttctgcagt atacaaggcg ttactcaact ccagctgtac agtcagtcag 94080 94140 gccctgagat aatctagact tatactttcc atagttatta taattttgtc tcttactaaa tctttgattc tgcttgtttg ataaagtaac actcattttc tatatagtat tacaatcgct 94200 94260 tctagaaggc attacatcac tgaattcata ggctttctga aaaacagatt cagaaatcag 94320 attttctaac tgtattttc catgtatatg tattggagaa ctagtgaaga acgtgtttaa 94380 tatacagaac tacagataaa tccagaaagg agaagcaaca ctcaaaataa ggatgtggca 94440 atcctaaata ggctgtaagc tggcttgaag catgtccctc caaaaaaagcc atctgagaga 94500 aaatttctca tttaccatgc atgtgcaagt ttccaaactc tgcaggtatt ttattttctc 94560 94620 gagcagtgag gtgcttttct catgctgaaa tacaagaata aagaagattg aagcacaggt 94680 ctgtgcagaa catctagtga atgtattcag ggcatgccaa gcacaagcta ttcaaatatt gctccctgaa aatgcagtca gagtggactt catgttttta agtggaagtg gtacataact 94740 94800 tctgtagtgg agaaatcgtg tgactcaggg ggtgaagggc ctatcctcag ttaatcccat 94860 attcttgttg caatatgggc ctgcatcttc cagcactgtc agactccagg ttttagcata 94920 agatcagtgg aaaaaaatat acacaaatat accccttgct tctgaagctc tgccctaatt gggatgattg caaataaatg aaaaaaaaaa aaagggaaat tcaaatactg atgataactc 94980 tgcagttcaa caaccaggac acctagtagg tgagttctgg cttccagtcc ctgctgctag 95040 95100 gactattctt gttttaatgt ttaagagaaa acaagtattc acacatgggt gagtacccta 95160 gcaataatga cagagaacta ttctgctcta tagcattctg atagtatgaa tctcgcctta 95220 attccatagt cttctcttag taccacgtcc cccagctcct gttgtctgaa ttaagcaatc 95280 actgtgtgac acctacgtcg gagcttagct ccattacact caatgaaatc agttgctggt 95340

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Chicken Ovalbumin Locus.ST25 agaaaactag aggaagatta catttgcaag ctactcttct acgattaata gactggaaag 109680 tgcataaagt acaaagatat gcctcaatga tctgaaaaac agctgaggtc aaaatggaga 109740 aatggggaaa aaaattgaag gtttcttgct tgcaagcaaa tataaagctt cccctttctc 109800 aaaaagaaaa acaagagaca ggaaagagtg gaaattcagc aatactgaac aaaaattgca 109860 acaaaatact gatggccaag ccctggccac cactgaccag gcagggggca gaacatacaa 109920 agggcaggat aaaagtgttc tccatgaagg gggtggcagg cctggtgggt gggatgatga 109980 acaaaataaa tacactttta aaaccttcct gtggctccag gcatttttgc cccagcctac 110040 caaaggctat tagcattttt attttctgga gtattaagac cctgtttctt tgacagacta 110100 ctgtgcagca actgacagaa ggtttagtgg gtaagtcaca ggggataaaa tgttcagcat 110160 agaccaaagc aaaaacataa tgtcatgatg ggtgatcaac tggctaacag gttgggctca 110220 aaggattaca gttactgggg ttacatcagg ctggtaggca gtcactaatg gggttctgca 110280 gggctcaatt ttagggctag ttctcttcag tgttttcatc aatgacttgg ataaaggact 110340 tgaagtcata ctaagcaagt tcatggatga cacaaattgg gaagtgccat tgactccctt 110400 gagggtaaag aggccttaca gagagattct gaccaatcag agagcttggc aatcatcaac 110460 tacataaagt ttaacaagag caggtgtcat attctgcacc tgggatgggg cagccttggc 110520 tgtgtgtaca gactggagga caagaggctg agagcagtcc tgcccaaagg gacctggggg 110580 ttctggctta cagcaagctg tatctgagcc agcagtgtgc cctggcagct ccaagggcca 110640 accgtaccct ggggtgcacc aggcccagca ctgccactgg gtgagaggag gggctgtccc 110700 actgtgctct gtgctatgca gctgcacctc cagcactgca tacagggttg gctgccacaa 110760 cgtaagaaga acacaaaact attagagagc atccaaagaa gggctatgaa gatggtgaag 110820 ggtgtggagg gcaagatgtg tgaggatcag ttgaggtccc tgggtttgct cagcccagag 110880 cagaggagct gaggggaggc ctcatgacgg ctgcagctcc tcacaagggg agtggaggga 110940 cagtgctgag ctctgctctc tgtgacagca tggggctgtg tcaggggagg gtcaggttag 111000 gggttaggaa gagggtgatg aggccctgga acaggctccc cagggcagtg ggcatggccc 111060 caagctgccc gagttcaagg aacatttgga aaatgctctc agatgtaggg cttggatttt 111120 gggtggtgct gtgtggagcc aggacttgga cttgatgatc cttatgggtc ccttccaact 111180 caggatattc tgtgattcta tgacaagatg cactactgtt ctatgtgtga gatactactg 111240 ttctgtgtga gatactagta gccaaggcct tcacagggcc tttctgaatg tgcctccagt 111300 gaatggtcac cggagtaatc ccctctgtca acactgagat acacatctct gtcaccatct 111360 gtgacaggct aaggcagcag tgcaggcaac aatgtcaatc tcttcagaat ggcacagcac 111420 tgctgcagaa aggggtctgg tacgctgtga gcttctgtct gaaaaacctt gaccaaacac 111480 tggtattctt tggactaagg aagcaacata attccataga acaactgagt gggaaatcac 111540 cactgatagc tattgcatca agttctgcaa cagcaactaa gaaatcactg gcaatcactg 111600 tgggcaagac aaacactaaa tggtcaataa gctccctgct actagaaaaa cagtggaaac 111660

Chicken Ovalbumin Locus.ST25 ataaatgaga acaaaatctc tagttgtgca aaggtttttg tggtagaagg agagactttg 111720 ttctatgagt tgacctggac ttcatattct tttggaaagg atcagatgtc aaagagtctg 111780 ttagtttagg gacaggccca cagtgaaata cctggtaaag caaatagcag ctaagtctta 111840 gctgacctct ttcatgggat aagcattgtc aaaaaaagga catgtcacaa caacacatcc 111900 ttttgtgttt gtgcagcatt acacagctgc gctggacagc gtaatccatc agctatccca 111960 gaaagcattt cacatacagg aaggtttgct taattttgct agacttcaca acagatctaa 112020 acttgataag tagactacac aagaagtcca atattctgat gattctgcac tgatgactga 112080 ccacgatcca atttttcact tactgtggac tgatttttaa attctgcaac tcgctttaga 112140 ttaaccattc atttgacaaa aagaaaaaat ccaacagcaa cagttggctg ggatgtatat 112200 taactttttc tggaggaatc tgctgcgcct tctctatcac aaaacaaaaa tattcctctc 112260 agcactgagt atatttaacg cagagatatt ttgaaagcca tataattact aacaacatta 112320 gtgctctgaa ttagctatta tgacacaact gtagtatctt tgtagatcct gagttgtagg 112380 ctgtctatga tggcccaaac atatgattca ggcagatggt acacaaatgc ccagggagct 112440 ctcctatagc aagctgtagc atgttgctag acagtttgat agtaaaagga tttaagacat 112500 aatcaaaagg tagaggagac acagtacaac ttgttggata atcctttgac ttttgagctg 112560 tcaagtatac aaccacggac cattgcagtg agtattaaag cctgtttgaa cagaaaacat 112620 gctgattgct agccttaagc aagaaaggga gaaggggcag cagccacaga aacatcttgc 112680 agtgtgagga gtgctctaaa ttgtgtgatt aaagatattc accatgaaca gacacattca 112740 gtcacttgat atgtcttcca ccagcacaga taccaaaatg gaactcacga cagtggtgag 112800 taatttacat attgttgaag caagagaata gctcactccc tttataatag gtttgatgtg 112860 atgggctacc aataagagtt aaggcctaat gatctttact caaaagtatt gctgctgcat 112920 agcaatgtct gcaccagact ggactgggct atagatggta tcatgtaaca tactagttgt 112980 aattaagtgt atcagacaga ctgaggtctt cattattagt attgctctag catcttcagc 113040 tgaacaagac taatgaggac tctattaggc agaaaggtat ggactattca gaggctgttc 113100 actttcacag acaactaaaa gggttaagga gtccacctct tttctccaga aaacataatt 113160 tgttctagac aatttcagag gcattttgta tattgacttt ggagttctgt tttaaaatca 113220 gagcatactc agaggtcaaa gtagtttgtt tgttgcccat tcttttattt caaaggattt 113280 atgagattgc tttatgcttg ctattgtata ttatgactgt cctgcagacc atgaatgttt 113340 caccigatgi ggcatgaagi tactigigaa cgatcigtaa gaatgiicti igaatgigca 113400 aaagacacat tttgaacctc acatctggtg ctgtgacctg tttgaaaaga acaactcaaa 113460 tcaacattca aaactagcag tgagttcgaa tacttctctt gtagcttctg actggagtct 113520 gaatatccta atatctgaat ttaaaaagca acagaagtct cttctctgct caacctcttc 113580 aatattgctt tcaaaattaa tttggattca tacagtatgc ttgttgatac tttcctactg 113700

Chicken Ovalbumin Locus.ST25 acaatctgca cagaccatgt tggcacacaa ggtccctgag ttagactgct ccagcaatgc 113760 tagactgctc tgcaaaatgc tttatttttt gcaattcagg ctgtaagtgg catcaggcac 113820 aagaactaga caattacata caagttttca ctgtaggtat ccctattatt tgcagaggat 113880 ttatgaaaag ttgcagtaag tacagggtgg gcataacaca gcaaggagtc ctgaatgtac 114000 tgcatttttt atgttctcag aatggtgact gctagaggaa tctggactgt cagtactcat 114060 agaggaaaaa aaaaaaaaa aggaaattga cttaaattcc ttagagacat tgtgtacaac 114120 taaatatcac acttttttt ttttgctttg ttttcactat ctgtgccaca gtatttggtt 114180 ctgtgcttga attatactta gtgttcaagt ttcagtgaat agcttttatc atttttgttt 114240 caatcttatc agtatactcc atccttttct ccaaggtgcc atatgatatc cttccttctg 114300 gaacttttat ttagagactt ctttctttct ttccctcttc cattctctct ttctttaact 114360 ttttcctttc tcctttcttt tttgttttct tttttttccc ttttatcttt ctttccttct 114420 tttttcctta tttcttttc cttctttctt ccttttttcc ttcaatttct tttttccttc 114480 tttttttaa ttttaatttt tattttttt ttgtaaataa aggacttcaa ccaagtaaaa 114660 gtgtgtttct gacactgagt tccatccatc attcagtttg gcaaacacag aataggcagc 114720 atggggtgtg tcatgacatt atacaggata tatttcaagg agttctgcaa ggctgtacca 114780 cgtacagctg agaagctgta ctcttatcat cacaggtgaa gctgataagg taagcatttc 114840 ttttggttat gattcatgtt ctaacccatt ttttaaaaatg atcataagac ttacaagaat 114900 actgatggaa ctttgtggtt tgtcatcaag aacagtcaag aaacaaatga ttaaaggatg 114960 acttctttaa aaatctattc ttaccttcac atttctgttc tgcattactg tactgtttca 115020 cagcctgcca catatgaagt caaagtgtta gtacaaagta aagctatgtt tactaattct 115080 gtaacactga gaagctggca ctgtactgag acaccctttc ttcttttca ttgatgccct 115140 ttgtttctga tttagaaatt aaatgcagca ctgaatttgt ttaaattcaa gacttaagct 115200 gagttgcatg gtctacctaa catactttct gaatgaagtt actgaatgca gcatggtcag 115260 gtatcaacaa catactgcaa attaatttct gtgtattcta aaacaagcaa acgaacaaac 115320 aaaaaacaca cacacacatg cacaaagcat ttgcttcaac agtatgtttt ttcaacaaga 115380 tcatacatgg agcttaaagc ttaaaatata atactctgtg ggagtagtaa ataatccaga 115440 agtttgccct ctatcacctg cacatgtgat tcaattaaga gagagatgga acacatgaat 115500 gtgttgattc cacacaatga aacatttggc agaatatctt ggatttcccc tgtacttggg 115560 aaattctacc ctaggaagat tctctctgct tgtgacaaaa tgggaagata taaggacctt 115620 aatactgcac tttacagcac tgttgtctat tctatgttgt cttctttact aaagagtttt 115680 ttttttcctt tactgttaga taaaatgata tgtgttgaaa ctacagggaa aatttcatta 115740

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Chicken Ovalbumin Locus.ST25 caaatgctac atactcactc gagattgctg acaaactcta tgttgacaaa acattctcag 117840 ttcttccggt gagttgaagt gtgacttaac ctcagtgaga ttgcccactg ggctcacctg 117900 ggactcggct ctactgtgag ccacaatggg aattggtttg agccacagga tgagttcaaa 117960 cctttctgtg gcttttagga ggaggctagg ctcacacaag gtataagggc tctggagata 118020 ttcaagaccc atttggacac tttcctgtgc aatctataat gaacccctgc agggggttca 118080 aattgatgat ctccagagat cccttccagc ccctgcgatt ttgtgactct gtaatatatg 118140 cccatgcagc aactgctaca gggagcaatc aaaattgctg ctcattcact aaaaaatgtc 118200 tcttaatgaa aaaggtgatt tgtaagggag gaaaatgact tgaaagcgtg acgactgaaa 118260 ttgacaaaaa tattttgttc atcttttcta aaactagaca taaaataact cacttaaaga 118320 aagttttggt tttgaaataa aaaacaggaa tgtaagaata cacagttcaa aagaaaaggt 118380 aggcacgaag atgaggaaat gagtattgtc tgtccttaat aatgtttgca gaacagaagg 118440 ttttatggta aaatgaagaa aatatttcaa aattttaact tagaatccaa tctgaagaca 118500 aaagtgacaa atctaaatat gtgaagtagc cttgtccagc tttaagattc agttacagca 118560 agagagctgt ttgacttgtt caagtgtagg gatagaagtt tcttttaacc atcactttcc 118620 atttcattaa ttttgcattt catattcttc tattttaaag ttctcaacag tcaaacacaa 118680 ttcttctgct tataggaata cttaagttgt gcaaggaagt tctatacagg aggagtggaa 118740 gaagttaact tcaaaacagc tgcagaagaa gcaaggcagc tcataaactc ctgggtggaa 118800 aaagagacaa atggtaagaa gtaaaaaaat agctgatatt ttctcctacc tactgtaatc 118860 tacgctcttg tcttcttctc ctcaaaatgt gaagaaaggc atatcaagga acagcacttg 118920 attattgcta tgaaagcaaa ctcccataaa actcaccatg cccttcattg caggcattca 118980 tgcaaaccag acaggctgtg tcttaacact cactgctttg cttccttttc acaggacaga 119040 tcaaagattt gcttgtatca agctccattg attttggtac aacaatggtc tttattaaca 119100 ccatttactt caaagggata tggaaaattg catttaatac agaagacact cgggaaatgc 119160 ccttcagcat gacaaaggta gggacatggg cactactact ggaaaaattc aagataaagt 119220 gatccctact cacattgtct catgcttctg ttttgcagga agaaagcaaa cctgtgcaaa 119280 tgatgtgtat gaacaatagc tttaatgtgg ccacactgcc tgcagagaaa atgaagatcc 119340 tggagctccc atatgccagc ggagatctga gcatgttggt gctgttgcct gatgaggttt 119400 ctggcctgga gcgggtacgg ccctggcagg ggaagccaac tagttcggag ttcagtggga 119460 acttctgact gctttcagac ctttggctgt cctctcaccc cctggctgtg ctgtgctggc 119520 caggcagggg agcacaacag tggcccaggt gcttctaggt gctcaggcag aggttggcct 119580 ctaaggagag ccctagcctc aatgttatta aacaaagagt gtagctaaca aaacaaaggt 119640 aaaggagcct agggctgctg tagtcctgca gcaggggatg ttggtatatg caagttatct 119700 ccatcaagta ctagagacag atatgctagc aggatttctt tttttacttt gaagaaattt 119760 caattcccag agatcaagta gagttcaaac actgttacca agtcataggg accaattctg 119820

Chicken Ovalbumin Locus.ST25 ttgatgaccg ttaatagatt tttttcatga gtcacccctc caaataatta aatataattt 119880 tttttttgta aatatgaggg atattttaaa tgatcatttc tcattgaatg tagaaaaaaa 119940 taggaaaaat ataacaagaa aacaaacagc atttctgaga ggttagctgc aaacatctgc 120000 aaatgagcaa aaatttgatt tgacataatc aaaaactgat ttttcagaaa agcatttgat 120060 ctgttggaag aattttcaga tgacaaagtt ttggagagct tcatcaagac agatgatatg 120120 taggctatag tcaggaagaa gcacaaggga taaacaaata gatttaagct taagcgtcac 120180 ttctgttttg cacacaaata aatgaaataa atagcaacaa gtggtattaa tacagttggt 120240 atggccacca tactcctgct ttatgcattt cattgtctct tctctttgca gattgagaag 120300 acaattaact ttgacaaact cagagagtgg actagtacca atgcaatggc aaagaagagc 120360 atgaaagtgt acctgccccg catgaagatc gaggaaaaat ataacctcac atctatatta 120420 atggccttgg gaatgactga cctgttcagc cgttcagcca atctgactgg catctcttca 120480 gtagataacc tgatgatatc tgatgctgtc catggggtgt tcatggaagt caatgaagag 120540 ggcactgagg cgacaggttc aacaggggca attggaaaca tcaagcattc ccttgagtta 120600 gaagagttta gggctgacca tccattcctc ttcttcatca gatacaaccc aaccaatgct 120660 attctattct ttggtagata ttggtcgccc taaagagaga aagagctgga aataatgctt 120720 accttcccct cagaaatcaa acctctttac tgtagtattg tagcataatc tcaatgcaat 120780 attttatcca agtggaaagc cttcaatatc tagggagaca ttcttgaaga agcatgtgaa 120840 atttcagatc tttatatgca ggaatttatt ctcagcttag attcaggatt catatccaag 120900 gtgtacatat tcccaatgtg cttgaataac ttgggaaaca gggccagtgc tttggggttt 120960 tttttttttg tgtgtgtgt tgagattctg ccattgttat tgagaatctg gtttctctat 121080 aggagttctc tgaaataaac acagctttca ggaaaatcct ggtcctttcc attgaattag 121140 ctgggcagtc atcctagaac tgatgcctgg acaacttgca gatgaaattt ttaacttcag 121200 cagaccattt gtcttccagt aatccatttg gacttattcg tgctgcgtaa catttttct 121260 gagggagcat acagaaagtc taccatttct tcttaaatca tctccaaaca aaacatcttc 121320 ctgattgata ttatttccca ttttcatccc agtgacatgt cactgatttt gtgaatgtta 121380 attaatggtc tttctattta ttctaataaa agcttcgcaa acaaaacatg tcattaccta 121440 ttctgggtta ctgtactaca caacctgaaa aatacgatat agcgggtaat aattattgac 121500 agaggtgact aagctggtat gtggatccta ttttcaaaat cagaatgtac ccatatatga 121560 ggtcactaaa tattttaaga ttaaaaaaaa aaaaaacaac tgggtttaat caaggtaaac 121620 cctatagctc ctactcttca attgagcttc tcccaataca gcataccaaa taacaaaatt 121680 ttttgaattt actgaatttc cagagaactt ttacagaaat cctctaaggg tcctcagtaa 121740 atacatgaag gtgatgtgta caagatagaa ttttaaaaata tgagaaaggt attaaaaggt 121800 agactgcttc agctttctca tgctgacaag aatcacatga agaaatcttt ctattgcctc 121860

Chicken Ovalbumin Locus.ST25 atgtgatatt cctctcgaga tgttgtatgc tatttcacgg tctttagagg aaagggtctt 121920 taggttatat attatccaat tataatggtt actagtgtta atgacagttt tctgctagga 121980 tacacatgca gaattgcaaa ttacagtatt ggtactgaaa atgtagcgat acttcagtaa 122040 ttcagagctg cctcaaacac atgccatgtc agcattaact ataacttgaa atgatgacat 122100 tagcagcagt gaaacacgtt tcatacccac taaaaatggg agaaatgcga ttactggtct 122160 tcccaagagg gtcagaagga ttaggtacag tttgcacaag gattcaagta aaaaaaagta 122220 tttcaagagc tatgaaattt caagttttac tgtgtacatc atgttatttc cctcttacag 122280 ctgaaatcag tcaatacagt tttgctacaa ctaaaaccaa ccaaccaaac aaacggcaaa 122340 ggaaaaaagg caggactggt aaaatattgt cctgagcagc agagtgtgta aggttactaa 122400 gcagttataa tactgtgttg gaactgaaat atgcagctat gtcactctgc actttctagg 122460 tacaataaca gtaaaagtac ccacatttac tatggaggta tttaatatat agcgtaaact 122520 aaaaaaacag ctattcaatt gtttgatctt tttaaagcaa aagatgaaga aaatcaaggc 122580 agaaatgata aatgaatttc aaaaactata caaaagaggg tattcaaggc acagagtcca 122640 cctaatgtct taactgtgaa atggaagcat ttgacttgtt ttaaaaaggc cattaggtgt 122700 cactaagggt aaaaagttac gtttatcagc tttcagaaag aggatggcat tccaaaggtg 122760 cctctgagct ctgaagccca gcaagggata agagaaatga atcccaagtc cagctattgt 122820 ccaaaagtcc tttttgttcc ctgataccat gactgaagtt gtcatgtcaa gacattgcct 122880 tctgtctgtt cactacacct catgttctct cagtgctgtg ttcttagaga ggcagtactg 122940 ctagtggtcc gcggaatgaa aacagccagg tgtaatcaca ctcttttgaa tgcctcatga 123000 gaagtgctct ctggactaag tgtaactttc cttctcacat catttggaga agggaccatc 123060 acagaatcat ttggagacca cctgcatcta ttctgcactt ctctccacat ttgcctatcg 123120 tcttctaagc aaaccgaatc tatggctgaa gttacaagac tctgcatgtg gtgtcacagt 123180 caccagaggc agaggactca agagaatatc ctggtccaga gctactctgg gatctcaaaa 123240 gtcacttggg aaagcacagc atgttgaact agactttggt gtatttttcc aatctttatc 123300 agtctacaaa atatcaactg gacatggagc agtggttcac tttggtgttt cctgtggctc 123360 atgatctaag attcttcagt ctggaaaata aactgcagag attactgttg aggagcagca 123420 agtgtcagtc tgctcagcaa gggaaggaga ctgagggcaa gggaaggaga ccgtgccagt 123480 aaggctagaa gggcccgata agggatcaag tgctaaattt tccaatatta tagccatagt 123540 ttagtgattt ccagagaaat atgtagtgat gtggtaggcc aaagatcaaa ccagaaggcc 123600 ccagaatggc aacaggtgat gatccctgtg gcacattctc tatcttgaag taaaacagca 123660 tggatccata taaatacatt cttgctcaac agcagaaata acaaacagta ttgcttactt 123720 ctacgaatat cctaacaaaa catgtagatc acaatgccac tgaacctttg tatggatgga 123780 atctgtgcaa tctgccatga ctaaagctct gtccaaaact gcacaactta gggtgcccag 123840 cttctgaagg gatgtgaaat tatctgtgct atctcctttt cccttcttgt gttagctcca 123900

Chicken Ovalbumin Locus.ST25 gtaaactcta ttttaagaaa taccttacag tttctgattg tcttctttac tggtatccaa 123960 agggactcct atgcattaca gggtcctcca gcacagtgag gttcttggcc tggtgcaggc 124020 atgcaaagta gcttaggcac gggtcacaat caagatactc agtttaatgc ttctcccaag 124080 tgatgggatg ctaaaatctt acatgatttt aaaaggaaag tgttcaaact gtggaagaga 124140 aatccactga caaataagaa agatacagaa aataaagtta gctatagaag acatggaaca 124200 ggaaataatg ttagaactct gagggcaaga gtaagcctta acagtaatga caagcctcac 124260 tggaggagct cttccacata cgttgttctc atgggcccag gagtctgtac tggaaattgg 124320 cacacagttt gggtaccggg ggcgatcttt gtgagatgaa gccctgaact gccctgggtc 124380 agctgcaggt gtctctgtaa tggatgaaaa caactcactg tgcaccagat tttcagctaa 124440 taagaaaagc acatggcatc tctgctcaaa cagaatcata gaattgctca ggttggaaaa 124500 gaccttaaag gtcatcgagt ccaactgcaa cctaaccaac taccctaact ctaacaaccc 124560 tcctctaaat catgtccctg agcaccacat ccaaacagtt tttaaacaca tccagggatg 124620 gtgaatcaat cacatccctg gggagcctat tccagtgctt aacaacactt tctgtaaaga 124680 agtttttcct gatatccaac ataaacttac cctggcacaa cttaaggcca aatttaatta 124740 gaaaatgtag cagcactgca atgtagcaaa tgtaattacg aaaaggtggt agctgctagg 124800 gacagaggac atgcaaatag acccaaaaga taaagactag aaacagaaaa aggggacatg 124860 tgagaggtat gtttggagaa acataacaga ggagatattt gaaaggagat cttgggagca 124920 caggcaaaga cacaatcctg ggaggaggtg ctccatgcta gaggatgtac ctctaaggca 124980 ccgcagccat gggcaaccaa cacaggtcag cgtcatcctg gtgagactgt atcccacaag 125040 cagctaacac tggagtaggg acagccccga agaactgcag cccaggcagc acactagagc 125100 agagaaatct agttagcagc aaccactggc agacagaaat gattatatag attacatact 125160 gaccctagcc tcttacactg cctactgcat cactgaaagg actgggaaga agagagtgca 125220 ataacgtagc tgaaactagg aggaaggcaa ggagaactga agctgactag ggaaaagggg 125280 gattaaaggt ttaagtgtct attccatagt ttgctggttt gttttttgtc aattcctgaa 125340 tcagtaattt ttatgttaat tagcaaaaaa ttacaaacac tccccaagtc aggactgtta 125400 cctacaacag aagctcagat cagctgagcc ttagtctttt ggtccctccc tagggaatgc 125460 tgtatgtgtc tctctccca ggcctgctca aaattgacct cagacccaaa cttttgctga 125520 tagcaaagcc tttaagtgcc attaccaact gcacctggag cctttaccta cccctatgga 125640 cccaggetet atatttaage tetgecetga acetteaett ettteetgte etaagttaga 125700 tgtactagta tggtgtgtac tatgtctcca gttcaaacac agctgtgccc atacctggcc 125760 aaggactcct agtatgacct gggctgtgcc ttgctgctaa ggacctgctg ggtgattgct 125820 ggacctgatc ctaatcctga attaagaaat gatttcttgg cttgactgga tgtgccctgt 125880 ggtatgatac tgccttatga tttggactct tgtttgcagc tgtgcaaatc cctaaggagc 125940

Chicken Ovalbumin Locus.ST25 ccagtctctg gccacctgga atcttgtcac taccaaactt cctgagggac tggtcttgct 126000 ctgggttctg atctctggac agtactcacc ctttactcag cccaggctcc cagttaagcc 126060 cctttccacc ctgccaggct ctccgctcca tccctagcag gggctctcat gacagtgtga 126120 cccccctta ctcaggtcag ggccacttgt gccacgttcc tttcctgtct tctgtccctg 126180 ccttggctct aaagcagtgt gctaccatcc acaaccactg catctctcta aagtaagcct 126240 ctcctgagcc caagtctctg taacgaggaa ggatgcactt tgctcagaag gatgcgaggc 126300 tgcttctgag ctctgagggc actgacctcc catgaggtac accccatacc caggaccaca 126360 attcagcctg ctggaaccat caactcctgc tggagtaagg ccatagcaag accagcatcc 126420 acctccctgc agccctgccc tgcccagata ttgggcctgc tgatctcagg atgcagactt 126480 gcttctcagc ttgacctaag cattgccctg tctttatgga cccacctggt tagcaagttc 126540 agtgcagaag gaggctgttg gcatctagct aattttccac ccacattact gtctgctgac 126600 tcattctacg tctctcccat cttgttacaa taataatttg ggagatcata ttgaaggtct 126660 taataaagtc aaggcatgtg atattctctg ctttgccttt gtttctagaa taagccactt 126720 catcatagaa gatgaaaatg ctgatcagca gagatctgtg cttgataaat ccatgctggc 126780 ttttcctatc accttatatt ccttcatatg ccttgagaca cccaaggagg ccttggatca 126840 gagctgtctg tagcagtcct aactggtata caattagttg tacaacaggt agtgatccgc 126900 ataatagttg gcgtgagaaa gtgggcctgt gctgtgtcaa gcatagagtt tgggttccag 126960 tcctgttctg catggcacat atgcctgagc agctgggtaa tctctgcatt ccaattggaa 127020 ggcaggggcc tgtaggcagt tcccacttgg catgggtgat tgtaccacct gtgtcctcat 127080 ctgtgaagca tcatgttttc attcaaatat ccttttgttt gacagtagaa atgaacagaa 127140 ttgtttttt ttcctaagca aattctgcaa gagctctgaa gaacaaggtg tcagtgaact 127200 tctagctcca tagataggac ttgcatcaca tgtcatgcct tgattggagg tctatccgat 127260 actgaacaac ttgtggttcc ctgagggaat gtaagattac tgatactact ctctctttat 127320 gttagctaca ataaatggta ggttaagcaa tagatacaga gtttgagtgc ctttcttaca 127380 agcatcatag tgaacaaatc cactggtgat ctaccttttc aataactaca gagaattgta 127440 atctcttgga ttctcctcct tccccgttct gaaaatgtgt tctttttttc caaatcagaa 127500 accttcctca accaccctga ctattctttg gacattgttt tgttcttgct cctaaatagg 127560 ctttataatt tttgtaagtg aaaggctttg catgcaggtg aggctacaac tcattcagta 127620 acaatgagga agactgtcag attttgggga aaattctccc acccaacctt ttgctagcca 127680 gtaagatgta atcactgaat gtcatgccac aaagaccata ccaacatcag accacatatc 127740 tacaggaagc tttaaggaat cattgactgt acagtgaagg gtaaatcaaa ttaaaatgaa 127800 tgtgaggtct gatacgagat atcctcatgg gaatcaagag caaagacaaa tagtttttca 127860 cagtcttgtc atgatctgtc acagaccaag gcagcacagc aggcaacaat gttggtctct 127920 tcagaatggc acagcaccgc tgcagaaaaa tgccaggtgg actatgaact cacatccaaa 127980

Chicken Ovalbumin Locus.ST25 ggagcttgac ctgatacctg attttcttca aacaggggaa acaacacaat cccacaaaac 128040 agctcagaga gaaaccatca ctgatggcta cagcaccaag gtatgcaatg gcaatccatt 128100 cgacattcat ctgtgacctg agcaaaatga tttatctctc catgaatggt tgcttctttc 128160 cctcatgaaa aggcaatttc cacactcaca atatgcaaca aagacaaaca gagaacaatt 128220 aatgtgctcc ttcctaatgt taaaattgta gtggcaaaga ggagaacaaa atctcaagtt 128280 ctgagtaggt tttagtgatt ggataagagg ctttgacctg tgagctcacc tggacttcat 128340 atccttttgg ataaaaagtg cttttataac tttcaggtct ccgagtcttt attcatgaga 128400 ctgttggttt agggacagac ccacaatgaa atgcctggca taggaaaggg cagcagagcc 128460 ttagctgacc ttttcttggg acaagcattg tcaaacaatg tgtgacaaaa ctatttgtac 128520 tgctttgcac agctgtgctg ggcagggcaa tccattgcca cctatcccag gtaaccttcc 128580 aactgcaaga agattgttgc ttactctctc tagaccccca agtcaaacca actatgcagg 128640 tatgctgaca acactatgat gacagcctgt tctgatcaag atctcatttg ttcatggaca 128700 attttgttg cttgcagctg gtcttccatt gggaaagagt gtagtatatc cttctcatct 128760 gacagaaaag cagaaattct catgctccac acttaatcta cattgtttta aaccaccggc 128820 tacttcttgg agaggaaaaa tggcttttat aagactcaca aaacaaagct ctgcaagtca 128880 aatgcataca aaactgttct gtaggtctgg aatcaggaca ctatgtggaa gtcaaataga 128940 gcagctttaa aaagcctttg ggatcattct catcttatat ttgcagcacg atactatgac 129000 agtgataact gacataactg catcaatttc cttgatattt tatttgtctt aaagtacaag 129060 acatagagat ggacgtaaag atggacatat gactcaggtc tggacaggtc cgtggtccat 129120 gtatgataaa agagatgaag ggaaggagaa ttgagactgt ctaagaaggg cttcagggac 129180 gttctgaagg cagatttgac tgaatcagat gtactgtcca agtctcatat gtagcaatgg 129240 aaggctgata ttggagaaat ataaagaaat ggctgtgaac tcaaagtgac cctgaacaga 129300 aaagggatat ggagttaaaa taatgtcaca gaactgaggt ttatatgata taccatgggc 129360 tgcagagggt cagagtgctc caccatgggc ctctcttggg ctgcagggaa cttctgttct 129420 acacctggaa cacctcctgc cctcctccgc actgacctca gtgtcatcag ggctgtttct 129480 ctcacatttt ctcactcacc tctcccaact accattgtac agcagttgtt cttacatatt 129540 gctcctcctg aggtacatct agcatcgatc actggctcag ctctggccag tggcagctcc 129600 cttttgagga cacgggacag ctgctgggct ctgttcacag aggccactcc ggcagacctc 129660 cactaccaca acttgtagtg taaatccact acaactttct gagctacaga aatgaaatgg 129720 agaccctctc tgctatggga tacaaaagag gaaacgtggc gtttagctct ggctcactgg 129780 tacacccaac cacagggtga gaagcagcct gttgttattc actactctta ggacagatta 129840 tggtgaattg ttaataaaag catttcttca taacatccaa aggaggaaat acactaaatt 129900 atatttttta ttaattaatt acacatgctt aattatatat ggcatggttg ctttggaaga 129960 atcttgtcct tactgaccag atctgctgtt tgctgagaca aaatggctga caattttggc 130020

Chicken Ovalbumin Locus.ST25 catggtggat accttcccc ttttctgtag cattaggaca gaagttattc tggagcctgt 130080 ctgacaagtt agacttgata cctttaagta tttggaagtg tgcttttcat gctggatgtc 130140 atctccagaa cctccctgtc tggtaagcag ttccctgcct tagtaagagc cgaaacggtc 130200 tctcttttcc ttgttatctc accaggatat tacaatgtga caggactatc tgaactatgc 130260 caacctgcaa attccaaata tatatatata tataagatat ctatacacaa attattagtg 130320 tttgattgac accagatgac agagaagtgc atctgagaaa acctattccc aatctccttt 130380 ctctttctgc agactgacat gcatttcata ggtagagata acatttactg ggaagcacat 130440 ctatcatcac aaaaagcagg caagattttc agactttctt agtggctgaa atagaagcaa 130500 aagacgtgat taaaaacaaa atgaaacaaa aaaaatcagt tgatacctgt ggtgtagaca 130560 tccagcaaaa aaatattatt tgcactacca tcttgtctta agtcctcaga cttggcaagg 130620 agaatgtaga tttccacagt atatatgttt tcacaaaagg aaggagagaa acaaaagaaa 130680 atggcactga ctaaacttca gctagtggta taggaaagta attctgctta acagagattg 130740 cagtgatctc tatgtatgtc ctgaagaatt atgttgtact tttttccccc atttttaaat 130800 caaacagtgc tttacagagg tcagaatggt ttctttactg tttgtcaatt ctattatttc 130860 aatacagaac aatagcttct ataactgaaa tatatttgct attgtatatt atgattgtcc 130920 ctcgaaccat gaacactcct ccagctgaat ttcacaattc ctctgtcatc tgccaggcca 130980 aaattgagta ttgttttgca ttgtatggag ctatgttttg ctgtatcctc agaataaaag 131100 tttgttataa agcattcaca cccataaaaa gatagattta aatattccaa ctataggaaa 131160 gaaagtgtgt ctgctcttca ctctagtctc agttggctcc ttcacatgca cgcttcttta 131220 tttctcctat tttgtcaaga aaataatagg tcaagtcttg ttctcattta tgtcctgtct 131280 agcgtggctc agatgcacat tgtacataca agaaggatca aatgaaacag acttctggtc 131340 tgttactaca accatagtaa taagcacact aactaataat tgctaattat gttttccatc 131400 tccaaggttc ccacattttt ctgttttctt aaagatccca ttatctggtt gtaactgaag 131460 ctcaatggaa catgagcaat atttcccagt cttctctccc atccaacagt cctgatggat 131520 tagcagaaca ggcagaaaac acattgttac ccagaattaa aaactaatat ttgctctcca 131580 ttcaatccaa aatggaccta ttgaaactaa aatctaaccc aatcccatta aatgatttct 131640 atggtgtcaa aggtcaaact tctgaaggga acctgtgggt gggtcacaat tcagactata 131700 tattccccag ggctcagcca gtgtctgtac atacagctag aaagctgtat tgcctttagc 131760 agtcaagctc gaaaggtaag caactctctg gaattacctt ctctctatat tagctcttac 131820 ttgcacctaa actttaaaaa attaacaatt attgtgctat gtgttgtatc tttaagggtg 131880 aagtacctgc gtgatacccc ctataaaaac ttctcacctg tgtatgcatt ctgcactatt 131940 ttattatgtg taaaagcttt gtgtttgttt tcaggaggct tattctttgt gcttaaaata 132000 tgtttttaat ttcagaacat cttatcctgt cgttcactat ctgatatgct ttgcagtttg 132060

Chicken Ovalbumin Locus.ST25 cttgattaac ttctagccct acagagtgca cagagagcaa aatcatggtg ttcagtgaat 132120 tctggggagt tattttaatg tgaaaattct ctagaagttt aattcctgca aagtgcagct 132180 gctgatcact acacaagata aaaatgtggg gggtgcataa acgtatattc ttacaataat 132240 agatacatgt gaacttatat acagaaaaga aaatgagaaa aatgtgtgtg tgtatactca 132300 cacacgtggt cagtaaaaac ttttgagggg tttaatacag aaaatccaat cctgaggccc 132360 cagcactcag tacgcatata aagggctggg ctctgaagga cttctgactt tcacagatta 132420 tataaatctc aggaaagcaa ctagattcat gctggctcca aaagctgtgc tttatataag 132480 cacactggct atacaatagt tgtacagttc agctctttat aatagaaaca gacagaacaa 132540 gtataaatct tctattggtc tatgtcatga acaagaattc attcagtggc tctgttttat 132600 agtaaacatt gctattttat catgtctgca tttctcttct gtctgaatgt caccactaaa 132660 atttaactcc acagaaagtt tatactacag tacacatgca tatctttgag caaagcaaac 132720 catacctgaa agtgcaatag agcagaatat gaattacatg cgtgtctttc tcctagacta 132780 catgacccca tataaattac attccttatc tattctgcca tcaccaaaac aaaggtaaaa 132840 atacttttga agatctactc atagcaagta gtgtgcaaca aacagatatt tctctacatt 132900 tatttttagg gaataaaaat aagaaataaa atagtcagca agcctctgct ttctcatata 132960 tctgtccaaa cctaaagttt actgaaattt gctctttgaa tttccagttt tgcaagccta 133020 tcagattgtg ttttaatcag aggtactgaa aagtatcaat gaattctagc tttcactgaa 133080 caaaaatatg tagaggcaac tggcttctgg gacagtttgc tacccaaaag acaactgaat 133140 gcaaatacat aaatagattt atgaatatgg ttttgaacat gcacatgaga ggtggatata 133200 gcaacagaca cattaccaca gaattacttt aaaactactt gttaacattt aattgcctaa 133260 aaactgctcg taatttactg ttgtagccta ccatagagta ccctgcatgg tactatgtac 133320 agcattccat ccttacattt tcactgttct gctgtttgct ctagacaact cagagttcac 133380 catgggctcc atcggtgcag caagcatgga attttgtttt gatgtattca aggagctcaa 133440 agtccaccat gccaatgaga acatcttcta ctgccccatt gccatcatgt cagctctagc 133500 catggtatac ctgggtgcaa aagacagcac caggacacaa ataaataagg tgagcctaca 133560 gttaaagatt aaaacctttg ccctgctcaa tggagccaca gcacttaatt gtatgataat 133620 gtcccttgga aactgcatag ctcagaggct gaaaatctga aaccagagtt atctaaaagt 133680 gtggccacct ccaactccca gagtgttacc caaatgcact agctagaaat cttgaaactg 133740 gattgcataa cttctttttg tcataaccat tatttcagct actattattt tcaattacag 133800 gttgttcact ttgataaact tccaggattc ggagacagta ttgaagctca ggtacagaaa 133860 taatttcacc tccttctcta tgtccctttc ctctgagaag caaaatacag cagatgaagc 133920 aatctcttaa ctgttccaag ccctctctga tgagcagcta gtgctctgca tccagcagtt 133980 gggagaacac tgttcataag aacagagaaa aagaaggaag taacagggga ttcagaacaa 134040 acagaagata aaactcagga caaaaatacc gtgtgaatga ggaaacttgt ggatatttgt 134100

Chicken Ovalbumin Locus.ST25 acgcttaagc aagacagcta gatgattctg gataaatggg tctggttgga aaagaaggaa 134160 agcctggctg atctgctgga gctagattat tgcagcaggt aggcaggagt tccctagaga 134220 aaagtatgag ggaattacag aagaaaaaca gcacaaaatt gtaaatattg gaaaaggacc 134280 acatcagtgt agttactagc agtaagacag acaggatgaa aaatagtttt gtaaacagaa 134340 gtatctaact actttactct gttcatacac tacgtaaaac ctactaagta ataaaactag 134400 aataacaaca tctttctttc tctttgtatt cagtgtggca catctgtaaa cgttcactct 134460 tcacttagag acatcctcaa ccaaatcacc aaaccaaatg atgtttattc gttcagcctt 134520 gccagtagac tttatgctga agagagatac ccaatcctgc cagtaagttg ctctaaaatc 134580 tgatctgagt gtatttccat gccaaagctc taccattctg taatgcaaaa acagtcagag 134640 ttccacatgt ttcactaaga aaatttcttt ttctcttgtt tttacaaatg aaagagagga 134700 caaataacat ttctctatca ccgacctgaa actctacagt cttcagagaa tgaatggctt 134760 gctaaaagaa tgtcaaatct tactatacag ctatttcata ttacactact aaatacacta 134820 taaggcatag catgtagtaa tacagtgtaa aatagctttt tacactacta tattattaat 134880 atctgttaat tccagtcttg catttcacat ttgcaaaacg ttttgaaatt cgtatctgaa 134940 agctgaatac tcttgcttta caggaatact tgcagtgtgt gaaggaactg tatagaggag 135000 gcttggaacc tatcaacttt caaacagctg cagatcaagc cagagagctc atcaattcct 135060 gggtagaaag tcagacaaat ggtaaggtag aacatgcttt gtacatagtg agagttggtt 135120 caccctaata ctgagaacct ggatatagct cagccagcgt gctttgcgtt caagcttacc 135180 agagctgttg tatgcctgtt aagcagggca tacagtcatg aggctcttga aaaatcttaa 135240 cagacaaagg gcaatggaaa atcggagtta agggatggta gggataaaat gcatagaaag 135300 aggtaccaca attttgattt ttgccctaat gcctctctgc gtggttcctc aatttttcta 135360 cttcattcct catctcctca gagcattcct ttccctcatg cttgaaacac agatgaaaga 135420 ctgtgaattc taactgagat gaaaacatcc acaaccacac aacctctggt gtggagtcac 135480 attctgtgaa ggcaaaaact aggccacgta atctatgtgt gcaagctacg tgtaagctat 135540 gtgtgtgaca ggacaatgtg aggaacatac tatgtgcaca aggactgcag aataaacagg 135600 agcaaagttt ttgaagaaaa cagagtaaaa tcctgttttc ctcttttgtt acattcttta 135660 catatatctc aaatttcctc tttggttaga agcaagtaat atttatgttt cttggtactg 135720 tttgggttga agaccattct gggataagag aaattccagt ggttcttccc ctaatcataa 135780 aatgtacagg tttagttttt ttgtaacaca gaaatctctt catcttttat cttttgttgt 135840 gattctttat agagagagaa acaagactta ctgacaatag cagcaagaaa atcaatcttg 135900 gaagaacaag attgcagttg caaaaacaaa ccaatgtcct tgcccctaca tcctcttccc 135960 cataaattct acattctcta tctaccttgt gcttgccaac atgatatacg taaactctct 136020 tttcgtattc attcttaaag gaattatcag aaatgtcctt cagccaagct ccgtggattc 136080 tcaaactgca atggttctgg ttaatgccat tgtcttcaaa ggactgtggg agaaagcatt 136140

Chicken Ovalbumin Locus.ST25 taaggatgaa gacacacaag caatgccttt cagagtgact gaggtatatg ggcatacctt 136200 agagatgtaa tctagaattt atgaagagag tagacatgtt gttatatgaa cactgcatta 136260 gcgtatctgc tcatttgtct gcatctcttt cagacactgt gttaaaagca gggaattttc 136320 cttatgtctc tctcatcaca atattcctga cattgcaaag ctcctgagaa ataacttcag 136380 attcccactt ttcctaggaa ggtcttcctg gatgagaaca atcaatcatc ttaactgtaa 136440 ctagatattt ctgcatctaa gaataatctt tgttaaaact atattctctc tctctttttt 136500 tttttttttt ggttctccag caagaaagca aacctgtgca gatgatgtac cagattggtt 136560 tatttagagt ggcatcaatg gcttctgaga aaatgaagat cctggagctt ccatttgcca 136620 gtgggacaat gagcatgttg gtgctgttgc ctgatgaagt ctcaggcctt gagcaggtat 136680 ggccctagaa gttggcttca gaatattaaa aacacatgga aatttagctg ttgtaaagct 136740 cttttcaaca cagttatcct aaaacattta accagcacaa atttcatcat gattcaatat 136800 gtgattgttg catagaagtg tagatttgtc ccactgggtc ctgcaatagc ccatgctgag 136860 catggcttgc tgaaagaact gctttagagg gtgaaaagtt tgacacagca gacaagatga 136920 ttctcaccta agcagctgtt actgtagtgg cttgaactct aaaggtcttg tatctccatt 136980 cctgtgcact gaggagcttc ttggaaagtt catataaggt ttactagttc taactattat 137040 ctcatttggt ggcactcaat gtgctttgtt cacgtcttca taaattaatc tatctaaaaa 137100 ttggatgtgg ttaaagcaat ttcagaaata acatgtacat aatgtacaat tattgatatg 137160 aacagaacac aggcatagca tattgtaatt aggaggactg tagttatttt gaataggaaa 137220 cacaatgtaa taaatgagaa ttcattgaaa tgttagtatg ctaactcaat ctaaattata 137280 aagataaaga ggcatttaat cacagctaga tttccatcac ttgtgacaga caggcatatg 137340 aatgattatg tacagctcta ggaaaaaaag tatgtaggaa aactagtaca ttttgattag 137400 aaagtctgaa aatgaggtgc cttgatcaaa gagaatacgt gtgtttgaga aaaaaaaagt 137460 ttggatagag gtggtaagag agaatatatt gaaatggtgt ttctacaaac tgccatggcc 137520 agatttgtgt aagagacatt cagtaagtag gcaaggaaag aaatattact aggtacaaag 137580 caacattagt aataccaaaa gaaaccaatt attccagatg ccaatctcgt aatagggtta 137640 agagatttcc acccctctag tagtcaccag tgcaaccagt aactttgcta atttacattt 137700 tcttttttta aatggcagat atagctttga actgagtgat catgaactgg tactgtgtaa 137760 ataagatgga agcatacttg ggagctaaac ttctagtttt taaaaactca aattctcttg 137820 aaagatcagt tcccagtcta gtaacagctg atagtttaag tatcagtaat tggctaccat 137880 taacaactgg ctcctgagag gtcttaaatg tagagacagc tttaaactca aaagcacaga 137940 gtgattttta gaatagattt cccaagcaaa gaaaataaac agggaggagc tttaagggag 138000 tagccatctc attattatta ttatttaaag aaatggcagc aaggctataa aagaaaaata 138060 agacagagca gagaagaaag agtcatggta tgcttttcta tcttagcaaa attaatctct 138120 acatgcctag gaaaaagcca tgacaagagc aatcagttca aaaggtgtat gcaaaaaaac 138180

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Chicken Ovalbumin Locus.ST25 tatttataac aggaggtctt ctgtgcttct ctactaaaag gtgctgtgaa ggagcccaca 140280 gtgcagcagt gtatgaggcc tgaaagaggc cgcagcacac gaagagccct ggtaggagca 140340 gcacacagag gggcaggagg gctgggggaa ctgccaccca tggggacctg tgtgaagcag 140400 tgcactcctg aggggtggac tgcgtgggaa aggaaaagaa agcaaacaga cctgtgatga 140460 actgtcacac agactgcaga gtgacagagg agggcttgag gcagtgcgct tactgcaggg 140520 agtggcgctc cttcctcaca gcagcgctaa cagcttggca ccaatattca gtagtctgtg 140580 gtgatgcttt ttccagtttc accacacagc atttcgcttg ttctacttgt tttagctttc 140640 cccctccaca agataacaca tactttgcca gtcagtccct aagaccttag cctaacagtt 140700 agcaaacagg atcttgcaaa agaaggaaga taacatgaca ccaccttcac tggtgtataa 140760 atagttcaaa tactttcctt cactttcccg taaattagtt gattgcaggt caggagataa 140820 caggggaact tactgcaaga gagaaaatga tgtttaatat tgtcttggac tttctggtgg 140880 tctgggcatg aaaatggagt actcaaaatc ctcaggacgt ttattttca cctgatttat 140940 ctctgctatc tcactcctt tcatcttcag catcactttc agcacaatta caggagaaga 141060 cttagactca gagctttagg actcatcata agaggctttc attgctctgt caccacaccc 141120 catatagatc tgtagtatac cacacatgtg aagaagcaca gtacattagt gcattacaga 141180 gagacaaaac cacacctatt tgtgtgcctg cagtcttaca ccagcaggaa gataattaac 141240 gtaatgaatt tctataaaaa tgagagaata tggcccctgg gtcctactgc ttgttctagt 141300 cctgattctt caaacgtaag aatgcaagta aaattactca cttgaacaaa gtcagcaatt 141360 tgcaagaact gatattctga agttcaagta attagagtga tttccagtac ttctggctgg 141420 aacgggcagc tgaaaatcac ctggtccagc accttgctca aagcaggact atcttcaaag 141480 ccatatcaga tagctccaga ccttccctag tcaagtgttg cctatctgca tggttggaga 141540 acccacagcc ttctgattaa tttgatttta aacataaatt caaatgtcac tagcgtagca 141600 gtagtgaaag ccattcaact ggctttactt tctcttacca aatgagagtt agctgcaggt 141660 gaaaataagc cctgccagtt ctcattttt ctcccacagc ccacaaagct ctcactgtct 141720 gtcctcactt gtaatacttt tgaaccaaca tctacagatt atctctgtaa atcccaagca 141780 gtacctagtc accacgtgaa caacaaattc ctacatttaa caatatttaa gagcaaaggc 141840 cagaccatat gtagctgcac actacacatt tttagaccca atagtataat ttatactttg 141900 actccatgtt gctgccatgt ggataacaat gcgcaatcat ttgtacctgg cttccttttc 141960 taactagtat actcttaaac gtcacaagat aaagactcta gttctgtata gtctagctga 142020 cttgtgacaa gagcaaacac tcacaatttc atggtactcc tgaggaaaaa aaggatccca 142080 aactaatttt gagcttttac atattttttt ttaacctaca gagcaccttg ctacttctgc 142140 tgaatgttag caatagcaac ccacagtctg aaatcaatgc aatgaacttc tactatgggt 142200 accatactga tgacaggaat agtgcaagtc cttacactgg aaggctgact ccttagtcac 142260

Chicken Ovalbumin Locus.ST25 ataggtaaaa tttagaaatt gcagctctga taagagatca gtatgggaaa gggaaaataa 142320 tggggtgcca gatgagtgca ccttcctgaa aggaaggcag atatatggga attaaaggtg 142380 gacaagggat gctgtggagg taccatcaac tttcacaggg ctgtatgtaa aagcagctct 142440 ctttcctgtt gattctccgc tgcctcattt cttctgggca aagtttgtta ctctccagta 142500 acgtcccttc ctcaaactgt tacctaatcc caccctcatt gccttctctg ttttgctctg 142560 tccttcagca gtctctacct gcttcttaag gtagtgaagt aagagggcag ttctggagtc 142620 aagctctgtt tctatgaggg taaaggccag ggagagaaag gtttgggagt gtgaggagag 142680 cctttttcct gtgttgttca agtacttagt ccaagctgct ttcagctgca tctgcagaag 142740 atggggaatg gagggtgatc aatgccattc ctccagccac agagcaaggg ctttgcctct 142800 ccttgcatac agtatactag ctttccttag tcaaatgttt cctctgtgct gcagagtcca 142860 aggtaaagag gctttgtcta cagctaggtc tatgttccta gagaaacaat tagcaactgc 142920 aaaatcaaga ggtactaaga aagcctctga agctataccc aggggtctgg caaatgaagg 142980 gggacagatc aagaagaaag aagagtctag agcagtttaa gggaataatg ccactagttt 143040 taagccacac atctggtggt aagcttttaa ctttgaaaga gacagaaatc tcaagataca 143100 ccagcccaaa atataatgga gccataaagg tctgcacgta gctgaatccc aactggaaag 143160 aacagcttca aagagcttgg aagtgctgag gtgaagaaga gcatgtgatc attagatttc 143220 aaaagaaggt cctcagcaca ataaccagaa agttcacctt tctgtgggac aaaagatgcg 143280 tccctcacaa aggctggggg aacaaaatct ttgcatctca ttttgcctga gaggagaagg 143340 aaatacaaga tcatcttgtt ttacttggtg tgtatcacat cattaatttc tatttggtca 143400 ctactatgca gaacttgcta acttgaacca tgtaaaaagc acactaggtc tcaagagact 143460 aaaatgcttc ttgcaacagg cagagtgtga gagatggaag gatggaaaaa tcttgcagtg 143520 atgaaggcac tgataagaga tgttgaaatg atactaacaa atggcactct atctttccca 143580 agatctttgt cagcatgaag ggaaaattct attccaagct ctctttgagg ggttaccatg 143640 ttccaggata aagacttgct gcatacacaa gcgcacttag tcaggtcact cagatcagtc 143700 tcatgctaaa aagtgtgaaa atagaaatac aaataagggg ccaagcagat tactgaacag 143760 caaagattgc cagtacgtgt ccacaatgag tatttggaca tttcactgcc gaaacttctg 143820 aaaatatcaa ctgccttatg aaactctggt tattccaccg cacaggagta tttgtggttg 143880 agctgcatga agaaatagca agtgtttaaa ctgatttctt aaaagagagc ctttcctcta 143940 catgctgctc ttgcacatcc atgcgtggct cctcttcagg agcaggaatt ggttttctga 144000 ttcagcagtt gtgtagctga cgtagttata ccctttgaga gatttcttca gaaaaatgac 144060 atgtttaggc taaagtgcat gtaatccaca catacaccat tactcacaat gaagtactat 144120 gcagcatgaa attcaggcta ttcttcttca tatttttggt tttaattgct accttggtta 144180 cttaaaaaat gctcaccatc tgattcatgc aaaggaaaac tgcacactgg tagatgtgag 144240 aacagcacgc atactcactt ccagataaac taatctctac tcagatatcg agatcattgc 144300

Chicken Ovalbumin Locus.ST25 ttctccagaa gtgttgcact ggtcatcaga actgagtatc tcaggaaaag cactgtcttt 144360 tctaattacg gcatctaagc taaagcacac agcggtaata gtgcagtatg acaaattatg 144420 ccagtgttca attcatgtgc caaatctcac cacgcctttg cgttctgcag gtgtggagca 144480 aaatgcctca gtgatattta gacaggaaca ccaccacacc tcttaacaac tcataaattc 144540 taaatgctat tggagtatgt cagcaaagat tgcttggcaa aggttgcaaa tgtacatgta 144600 atatgtacgc tttagatagc tatctacact gtttcaaaat aaagacgcgt gtgttctcac 144660 tcaaagcttt aaagggaaat aagatactca aagaaataat ctcttttgaa ctttaaaagc 144720 tatttgagac ttcacgatga tacaaactta tcccacataa aaatcttagg acataaaatc 144780 cattacaacc attccagctg agacatatac accattgtta cgctttaatt tacaaggtca 144840 ggacaagete ttgctgcatt ctgtgacaaa agggeteett tgcacaccaa aatecatgca 144900 cccactccaa gcacctgatc actgatcacc attaccatca cttcagtctc cgtgctccca 144960 ttccccatac tgttttggct cttgccaatt acaggattgt tatgaaacta aatgttaagc 145020 tgccctccca caggattcca acattctcag gtttcaaaac cattgtcttc cccaccctc 145080 ttatctcctg aagtccttat aatggtttgg acatttaaag tcctttcatg tttaaaactt 145140 actggcctgc tctggctgag acaaaaacac gagcagaatg ctctgttggc tgaaccagaa 145200 accattcccc cccagataaa taaacagcac ttttactggt aaaaaaagat attagaagat 145260 gccaaagaaa tggagtagct tttcttcaag cataattttt ttctttcaa ataccaaaca 145320 ccttaggttt gaattacatt agattttcaa gaattacaaa gggttcgtag ttaaaacagc 145380 atacgtacat gaaaaccagc catggcaagt ttcacacaaa tactgtgtga aagcagaagc 145440 taccaaacct tcctctcaaa accctcaagt acatttagat cactttataa atgatctatg 145500 tagacagcaa gtatttaacc tactcctgat cccaggtacc aatgaactga gcaacatact 145560 gtgtaggaaa gttgcactga cttgtgctaa gttgcacgga aactgaagga aaacaaaatg 145620 tgcttatata gctgagatct ggccagggtg cctggtgtgc tgccaatatt tgtcctgcca 145680 aaatggaaac atgaatgacc acagtgaatg aactacaggc ttacttccca caggaaggat 145740 actaccaata caaacataag actttgagca tgttggagtg ttgacttagt agagagtggg 145800 agtgagggaa ccgctgctcc tgagtcagcc tcagcaccgc ccattgaact ctgtacctcc 145860 tagccttggt aacttcacag gatgctggaa aatattatca agtcatcaca ttgatttatt 145920 gaatatcttc cttttagatt ttagttgctt tgtatgtatt tttttttcca ctaataacca 145980 gccatgctat tcaaaaggca tttttaaaag gcaacgttaa caccctgtac aaacaccatc 146040 ctctcattca ttcaaatccc acatttctgc atatatggaa catgtcagtc acttcttgta 146100 acagagcaag tactatgact agtcagcaaa ttaaattcat ccctgcttta aaaacagaaa 146160 atccaagtaa ctgctccaag ggatgaagtt tatttagtgt atctatcatt tgttctacaa 146220 cacagttaat tttgcaaaga tgactcaaat catttaaagc tttggaaatc atttaaggcc 146280 aatgtaaaca gattacaact ttcccaggcg caatggaagc aattaattct gcagcacacc 146340

Chicken Ovalbumin Locus.ST25 tctcctacac tactatactc tggaaaacgt aacagatgca tctaattata acccaçactg 146400 aaacatgctg tctttatgta gctatgaatt caaaacagct gaggggcagg aaagaaccat 146460 cctcctaaag ctatgtggct gctcacctgt aggaaagcaa cttcagcaaa gctttgagtt 146520 cccaggttac actgatgcag aagcttcacc actggcaagg tgctccttgt gtgagcaacc 146580 tattctgctc tataaaacat ttagcagata atcccatatc tcagtcctca gtacaagaga 146640 ctctgtgcca gccacttctg tacgaaataa gcccacacgt actttcatag acctcagggc 146700 agaagaaaag tttcagaaag cagtttgtgc tgaggagata gaccttgggg gtgagtcttt 146760 ctccatattg aggcggaatc cctcaaagac aagcagccct tatccaggtg ttcaaggtga 146820 tattttcaac agagcaggga ggtaaagaat gaaataaagg gcagagttac ataggatttt 146880 tcagtcagag gtgagagctg agatggacag gacaatgagg taaggacagt gtgactgtga 146940 ggagaattag cgatggaaat gcttcactag ccaaggcaag aagaaaaaga gtattcaata 147000 gaatatcaat ttctggggaa agaattcatc tctgaagggc tacatagggc aaatagctgc 147060 tttcaactta gaacagggaa actgaggcag cagcaaaaaa aaaaaaaaa gtctaatctg 147120 aaacccacat caggttctac tgttgttgca gtgataagaa aagtgtctga tgagtgtttc 147180 tcaaccttcg ttatctcaca gtgaaaacat tttcctggtt atacagtttt agaatcctcc 147240 aatattacca aaaaatcatt ttactaaaaa tggaatccca caagaaatga ctaatttttt 147300 atctgtagga aacggacaat agaaaaactc ataaatatga tgtcactgtc ctttcgctgt 147360 ctcttccttg gaaattgttt ctattagagg aatcataagt aggtcagcta ctgcattttt 147420 ttaccctcca aattgcaaaa gaaatgttgt ttccagcagt gatggttcaa gttgtaacta 147480 gcctgttgcc acaaaaatgt ttatagaaat atttctgcag tcagttttgt aaggttcttg 147540 tatggtatca ctctcaccgt cacttcacat cctactctga gatgattcag ttcttccata 147600 gggatgtggc cttcagggca aaataaattg cagagtcatg agtcataaga acctttgaag 147660 aacaggccag gcagactata aattcagcct acccatcatc tgaactgcat aaaccttgga 147720 cagacccaga gcagcagtct tcctccctgc acaaaacaag gtactgtaat tatttctaga 147780 gattatttat ttcacctact cttggatgat gtcgatctgt tgacaaatgc atagaaaaaa 147840 aaggcagaag gaatctgaat agaaaacaat aaatacttga ggaagaaatt tactaagatg 147900 gcacaggcaa ggtctagaag gggtaagtct cagaaatatg caggaagagt ggtttattct 147960 atgtagttct cactggcaaa catgtatatc atagcagagt aagaaccatt gtgtttgctt 148020 aagttagatc atttgttcat gtgctcttca attcttgtgt acgtcaagac acagtcagta 148080 catctttatt ttatggctat tctgtatcaa ccagaatagc tcccactaca tacctagggc 148140 tctcagcttc aactgcaatg caaataacaa agagcagcac ctgtgttcta ccaataagga 148200 aatttgtctt gcagaactgg gaagctatga ttcggactag caccataaga cagagtttcc 148260 agaaattttt gaaagttaaa aatggaattc aggatactta gcacacagta gttagagagc 148320 tgcttgtcta gtgcttcaat attttcttgt atcctaaagg aatggaatat ttgttcacta 148380

Chicken Ovalbumin Locus.ST25 cagttacgag ctccaaaagg ctcttgcacc agtagtcata agaaacaatc tctcagcatc 148440 ttctagccct cgcaccagtg agtagcatta tcatatgtca ctccaagatg ctgtaaagga 148500 cagtgcaata aacgtcctga tgaacaaata caaaatgaaa tatgaggctg ctttttctat 148560 atcacttgag tatggttagt gttgttggtg aaacgggatg cactatactt aatataactt 148620 tttagtagct aatcttcctc attttccata aagatatctc tcttctttcc atctgtaagt 148680 tccttaccat atcattatat tgcttacata gaattcacca tatagttata aattgcatgc 148740 tttttctttt tagtataaca ctgtaaccat cctgtttcga tgaattttct tttgtttctc 148800 ctggctgtcc cttgcatgga tatctgtctt tctaagtgaa cttctgctga accaaggaga 148860 gttcattcat gcactacaaa cagacgtagt tggcagaaat gaatattgta ccagtactga 148920 caggicagaa tgctttcatt cagtitcctg aggicagagg agagctgaag aaaatacctg 148980 gcacagtcta gattttgcct ttgaacatac actgccagtg agcctcagtc atacaaagga 149040 tcactgtgct gcactggcat tcttccacag tcaataagtg ttaaaaatac ttttagaaag 149100 cctacaaatc ataaaataaa cttcaaatac tgaaagggag cctgcagaca tatagcaaac 149160 acaattaatt cttagctaat aacatctttt gtccctttct gcgcaggttc agaacaatgg 149220 aagctttaaa taaagcaaac acaagctttg ctcttgactt tttcaaacat gagtgtcagg 149280 aagatgacaa caagaacatt ttgttctccc ctctcagtat ttcatctgcc ctggctactg 149340 tgtatctggg agccaaaggc aacactgcag atcagatggc aaaggtgagt ctgagaagag 149400 ttgatctact ggagtaacat tctctatgat agaaatttag catgatgcat caaaggaaaa 149460 ccttatgcag gtcaaaagat acagtctaca gtagcttctg taagcaggcc cacaccaaat 149520 gggagcagtg gcattagtga cattgtctcc ttttaaatgt cattggaaga aagaagagct 149580 cttaatccca aagctcaata acttgagcac tcaccagtga gagggagact cggattctcc 149640 acctgccttg ctccagaaaa ttctcatttt ctgtctcatc tctctggaaa tggccctatg 149700 cagaaagacc ctccactgta tctctagtaa gttttgtgct ttgctaacat aaatctacaa 149760 acccacaagg tcagagaaga aacacagtca gggtgataat acaacccctt cttttgagta 149820 cgtactttac aagaaaaatc acctactgaa gttcctaaac tctgtgcaaa gttcatagct 149880 tcaaaaggca gcaatgagaa cagccccagt gcaaacatgg ttacctagca tgtactgcgg 149940 gaggggctga tgaactggca tctgctaagg cagaagaagc tgctccacct gctaaggcag 150000 caatccaact actgagctac aggacaaatg aggaccagca gggtcacaaa gaaaggagag 150060 atcttctgtc aggaagaagg gaaaacaaaa caaaacagaa ggcttttgaa aaatgttcca 150120 aggttagatg tacacctctg tagcctgggt aaggtgcaca tgcccagagg aaggcattta 150180 gggtatcaat ttgctcccag tgtttacctg ctttctgaca tgtaccaggc tctccatttt 150240 acacccatgc tttggcagtt tccacctgca gataactggc ccgtcccagg tattacccta 150300 tgagtacaag agccgatttg aagcaggcaa gttcctctag aaataccaga tatatgagaa 150360 ttctgcttgc agccctcatc ttagtgtgct caagacatcc tgtacacatg ggctcaaaag 150420

Chicken Ovalbumin Locus.ST25 taaaatctgt ctttgtctct cttcatcacc agtcccatga cattactgaa agtttttact 150480 gaaacagcaa attttctatc attgcattta ttactgcaat ttccactgca ggtactctac 150540 ttcaacgaag ctgaaggagc cagaaacgtc accacaacca taagaatgca agtctattcc 150600 agaacagatg agcgcctatc aaatcaccgt gcctgtttcc agaaggtata taaccaagtc 150660 taatgatcat agaatcatag aatggcctgg gttgaaaagg accacaatga tcatctagtt 150720 tcaatccccc tgctatgtgc agggtcacca accactagac caggctgtcc agagccacat 150780 ccagcctggc cttgaatgcc tccagggatg gggcatccac aacctctttg ggcaacctgt 150840 tccagtgcct catgatcaag ctacagtcat gctaacacct tcccttgctt ttattttctc 150900 tctctgtttg ccttcctcaa atgcagggta cacaactgat tagtacagca tcctgtgata 150960 ccttcacctt atgcaatact taagacatgc ttcccatttg taggtagaat tgcaaaattt 151020 aacctcaaat ttgcaaaatt tgaaatttaa tgatgggact attctctatc agtggacctc 151080 ttgatcttct cccttcagct ttgagatttc tctctttttt ttttctcttt cttttttcc 151140 cctttcctct tctttctttc ttcttttct ttttctttct ttctctcttt caatctttca 151200 ttccttcatt cttttctttt taactactac tgttcaatta gttattgcta gttattcagg 151260 aacatgttct ttgaacaggc acagtcccta tctcagaaca aatcagaaca acaaaactac 151320 tctcccacac attggattgc agcatcaaca caacaacaac aacaacagaa aaaaacagcc 151380 agagaagtaa cttttacaga ctatccatgc ttgatacatt tcagaaatta gtttctattt 151440 catttgaaag tttagtggaa taaattggca tgttggaatt tcctaaggta gaccttgcaa 151500 taaatcttaa agaaatggga attattgtat tcccgagata tttctttgac agactggcag 151560 gcatcttttg ttaaaataga cataatttaa gagagcagaa aatttggaag tcaaactctg 151620 agtgagtaag gtagtttttc ctcactgaca atgcagccac tgtggtaaaa agttcctctc 151680 cctactcttt cccatcattc ttttttcttt ttgtgagtaa atcatttccc tgaagtctgt 151740 ccacaaaacc cctgtggcag caagttttga taaatgggaa cttgggtcta cattccacag 151800 ctacggtggg aagactaatt ttggggacta cgccaacaaa ccatttatgt tgcacgaaca 151860 ggagatggat tgtttctcat gagtaatgct tgtctgaact gtaagaatta tggagcgctc 151920 taggcaggga aaagaaactg ttctaatagc ttagaaattt agatagctgt tcatgcttct 151980 gattttcttg cagtaacaag atgaatacaa cacaggtcca gtttcttagt ccactaattc 152040 acagcttcat ttccttaagc tggtttgaca gtttgagtcc acattcatat aattctgtta 152100 cataaatata aagaatttac tgcaattact acaacaaaaa gcatttgcaa aatattatta 152160 tttagaggta ggttaaaaaa gttagaggca aacttaccat gtaattaact ttcataaatc 152220 ttatcaggag tcacacagcc aggtcttcat gtatagttta gcaattacat tctgtctctc 152280 tctctgtatg tacttcattt tgcaacctcc atttaaaagt ccttaaacat tctaaacagt 152340 tcaagctttt actacttgca tcccagggct cttacagtgt ctatagcata tctgaaactt 152400

Chicken Ovalbumin Locus.ST25 gtaaaggcaa caccacctga atagcagtag tttacataga gctgcatgag gaaagaattt 152520 agaaattttg aactgtttta cagaaaaaaa aaaaatgtat aacccttatt tccttgtctc 152580 caagacagaa ataggcaaat caggtaatat ccatgctggg tttaaagcac tcaacttgga 152640 aatcaaccaa cccactaaaa gttacttgct tagaagcgtc aaccagttat atggagaaaa 152700 gtcactgcct ttcagtaagg taggtaggcc atttattcat gttatcctgt gtgtgtcaga 152760 ctttatgatc tatctatgac aacaaaccat aaattatatg ctttcaaata ttttcattac 152820 atctgcaaat tgtgtaatta tctttaacat acttcctgtg aggttcttct tgagaattta 152880 gatatcatga cttttatagg atgtatattt aatttgtgtg attcacagtt gtggctacgc 152940 aaaaacattt aaattatgta tttccaaata aaatcaatac tatgttcttt tgacaatgct 153000 gtgcttgtag cctacacaat ttttatgcat tctctccaat cggctatagt tatttattgg 153060 cattcacact ggcaggcaac aaacataaga cagatgtcta tcttgcactg caggaatact 153120 tacagttaac caagaaatac tacagtgcag aaccacaatc agttgacttt gtgggagcag 153180 caaatgcaat cagaagagag atcaattcca cggttgaaca ccagactgaa ggtaagctct 153240 agcatctcct ctcccagttc tgaaggaagc agttttagtc ttgaacaatt tctctgtgcc 153300 caaaggcagg taaacaattt aactcagaaa ggaaaatcag aacagttttg ctgaagtaat 153360 catctgctgg caagcccttt ctagaattat ctttcaccat ttgaaaggga gaggaatgtg 153420 gtttcctcta taaatcaagg ttgtcatgta tttatgaata atctcaagct agaagtatgc 153480 caaatcagca ctctaaattt ccttgtctta tgacttcaga aactacgcca gcatttactc 153540 tgaaacagta aagctgcaca aatatgtaaa cgttctttgt ttttctctag gtaaaataaa 153600 aagtctgctg cctcctggat ccatagattc actcaccagg ctagtcctgg taaatgcgct 153660 ctatttcaaa ggaaactggg caacaaagtt tgatgctgaa gataccaggc aaaggccttt 153720 cagaataaat acggtatggt aacatactgc cttatatacc agactgcagg ttgaaaaagc 153780 agtgaaaaag atggaggaga taaattcctg tcattcttta aagccacata gcactaaaat 153840 tagtatattt aaaacatacg ttatatcctt cttagcacat cttcagtaca aagaccgcat 153900 acatatgcta gcacccaagg cacaaataaa attatcagaa gccagcttga aacaaacttc 153960 catacacctc ttaaagcagg aaaaacatag atgtgaatag aactgtatga actagttcta 154020 tatattttca tttttaacca tacaatgaat tggagtggaa cagagcttcc agtaaatacg 154080 tgtcatccta gctggctaag ataaccttcc cagcctccca gtgcattccc agaagagagg 154140 ggccctctgt agatcctaca gcttctctta gagccacagg gatgtacctc catgctactt 154200 caatgtagtc tttactgttc tgagtataaa tagcaagctt ttcatttgat ttgttgcagc 154260 atacaactaa accagtgcca ataatgcacc tgagtgataa atttaattgg acctacatag 154320 aatcagccca gattgatgtt cttgagcttc catatgtcaa taatgaactc agtatgttca 154380 tcctgctacc acgggatatc actggcctac aaaaggtaaa gggtaacttt aaactcaaat 154440 tgcgtgagaa acaacgtttt catgcatatc catggcaaag caatcctgtt tctaggaagg 154500

Chicken Ovalbumin Locus.ST25 aaggtatcga taaggctaaa ggaaaaacaa accccaaact tgcccaaatg ttatgaagct 154560 gaaccttttc aatgttttgt ttggttttct ttttaactcc tggcacgtgg cacctcgtgc 154620 ttcctcatgt tgatcagtgc tggaaataag tagcccgaat ccaacaagat agatctaatt 154680 ccagctgaag aacaacgagg acagaaagat agttctgctg actgtctgta ctgattcgga 154740 cagatattat tacattaaaa agaaaagcac aaactggaca ccctccacta ctttctgtga 154800 tgtttagagc taatatacat gtacactgcc accttctgta aacacactga acctgacttc 154860 agatagtgaa ctactgtgaa attctcattt acattagtgg gtgttttgta gaaaaaaaa 154920 aaaaaagtta ttttcactaa attctaagac acacagaaaa cagaaatgtg agcagcaagt 154980 caaatagact attgttactt gacagtgacg ttgttttaca aatatttaat ccctctatat 155040 tccctgatga ttactaagaa cagttcaaat actgcactaa catgctgtag agcaaaacac 155100 tccttcctag tagaaaatat ttcagagttg gcatttcact aatggtttct gtacttgaaa 155160 agtacaattt tttttgctac aaaaaaaagc tacagaattt ttgtagtttg aaaagttctt 155220 aaataagaat ataaaagaaa taacccctag ggaacagttt tttgaacact ctgtaatttt 155280 ctggttctct tttcaattaa ctgcagctaa taaatgaatt gactttcgaa aaattgtctg 155340 catggaccag tccagaatta atggagaaaa tgaaaatgga agtgtatctg cccaggttca 155400 cagtagaaga gaaatacgac ctgaaatcta ctttgagcaa gatgggaata gaagacgctt 155460 tcactgaagg tcaagctgat ttcaggggaa tgtcagagaa cgctgacctg tttttgtcac 155520 aggtttttca caagtgttat gtggaagtca atgaagaagg cacagaggca gcggctgcca 155580 gttcagcatc tctagcgtca cgaacccttg gtgctacagt tatttttgta gcagatcacc 155640 cttttctctt cattatcaga cacaacaaga ccaagtgcat ccttttcttg ggaaggttct 155700 gctccccta gaaaatcagc tattaataaa caagccctta caacaacgat gaacacaatg 155760 tatgccatga agaacacctt gacagacttt gcactttacc attttcctgt actattgaca 155820 atctctttta gaagagagct caaattaaaa acatgaattc aaacctctga ttccttttcc 155880 tctgcaaaga atcctagcat cgtatactgc actgtagaac actgaactgc acgctgaaca 155940 acatggatgt gtcttttcag tgctgtccaa accagaactg ctacaatgca gaacagacta 156000 ggctgatcta aacagtacct tctgacccag ttcctttcac acgtaagaag aaaagaaaca 156060 ggagaaactc attcctgcat acagctgttt catctcttca aagccagctg tcccaggcca 156120 gctcaatcac agccttgtca gttttaaatc agcttcacaa catagcatgg ctggtaatga 156180 aacaaaagtg caaaatcctc tgtgttgctg atactggtgg tttgctcttg cacacaaagg 156240 agctaacaca tgtactttct aatctctgtc cctcataaac tagcaaatac caaacaatac 156300 agaaccagag taaagtaaaa tacatacctt gaaatgcttt cttttgtcat aacctttaat 156360 tcattcaacg ctgttgcagc ccagcactgc actgctttac ttgcctttta ctttgccaca 156420 tattttgctg cttggagcaa gtgggagaat aaagtctgtt atgttaactc cctaagtgct 156480 gtctaaaaga ttacatgcaa attctcctct acatattcac tgctttcaca gcttttactc 156540

Chicken Ovalbumin Locus.ST25 ctaaagggga ggaattccta atcagtcatg cacatctaag aacacaggtg atgctcctgt 156600 ttctctgaat tcagaacagg gaggaaagga ctgggtctct taacagcact tgcacacaca 156660 ctgacagcat ctcactagaa acatcccttc ccagaaaggt aggatacctt tttcctggca 156720 gagggaagag cgctgactga tagtgagtcc tttctgtatt attccacgtg accaactgtg 156780 gccaggctcc cttttggctc tgcttcccaa atgggaagga acgtagggaa gggccaatgg 156840 caaccaaatt agagggtgag tcttgcattg aggaacacca ttttcccacc gtaagtagca 156900 cagcactggg gcagactgcc cagaaaaaaa ttgaggattt cccattcttc aaagggctgt 156960 agctgaccta atttaccagt gggtctgctc caggcatgag ctggactatg gaaataccca 157020 taaaccagct tgtgtcttgt ttctatcaac atccattcta ccttaccacc tcaatttctc 157080 atcctctctg gcacccttac agcttgacaa gcaggggcag ttagcttgct tgcttgctct 157140 caagcatatt tetttgagae ttggaatete eetagettgt aettteecat caatcaatea 157200 ctcagtggac ctttcttcta ccctgatttt ttgacaactc ctctcattgt actaaagtca 157260 ccacttgttt agtttctggc atttcttcat tgccttgcat aatactgatt tctataactt 157320 ttcagaagac ttgacccgct ctgttcttgt aatcaagctt acagcaaaat gcttggcaca 157380 ccatacagtt teetteett cetectett cetteetgt eccetagaet ettacagata 157440 ttgccactac cttccccttc tcttaccacc aaagagctgc tctgctgtct tctgggacag 157500 cagagtgaca actattgtga catatttatc cctgttgtat tgttttcact ccctccttgc 157560 tcaagctctg ccagtggggc cgtttcagtt cttgcccacc tccatggcat gcaagtactg 157620 cacactaact cagtactctg cagtgcttct ctgaagcgtt tcccagccat ggatgcaatg 157680 agattctttc accaacacaa gaagcaaggt attcaacctt acaccttcaa tggctttgcc 157740 tctgcctatg ctcctaatga tcttcactct gaagcttgac tctcagagtc tcattcagtc 157800 agtaagctcc tgacatttta tgctgatgca tcttactcat agaatcatag aatggcttgg 157860 gttagaagat catctagtcc caagcctcct gccaaccact aaatcaggca ctacatcagg 157920 ctgcccaggg ccccatccag cctggcctcg aacatctcca gatctccagg gatggggcat 157980 ccacagcttc tctggggaga ggttccagca cttcaccacc ttctcagtga aaactttcct 158040 caacatctaa tctaactcta ccttatttta gttttaaaac attccccctt aacctatcac 158100 taccttccca tgtgaaaagt tgatttccct ccttacttac aagcttcttc taggtacttg 158160 aaggctgcta tcaggtctcc cctgatcctt cacttcttca gactgagcaa gccaagcttc 158220 ctcagccgat cttcagagaa gaggtcttcc agttctctaa ccatcttcat ggccctgctc 158280 tggacttgtt ccaaaggtcc acatctttcc tgtgctgggt gcctcagacc tggacacagt 158340 actccagatg gggcctcatt tgggcagaac agagggggga caatcacctc cctctccctg 158400 ctggtcaccc ttctttgat gcagcccggg atattgttgg cctttcaggc ttcaagagca 158460 cgctgctggc tcatgttaag ttcttcatct gccaggatcc ctaagtcctt ctcagtaggg 158520 ctactctcga tgaattctta tcctagtatg gatacatatc tgggattgtc tcaacacaag 158580

Chicken Ovalbumin Locus.ST25 tgcaacacct agcacttggc cttgttgaac ctcattatgt tcacatggac ccaatcctca 158640 agcctgccca ggtcgctatt aaaaaaaaca agtgtcatgg cttcacaagg ctggaaagtt 158700 ggatcaggcc tacaatacct gctaacatcc agaaaccaaa accatgcatt ctggctctgt 158760 aatcatttta ctagatttat ttagtttaaa caacaggcca gttgtcttca caacaacaga 158820 agatcactga aatgagtgag tgacttgttt tactgtcctc tcagtagaca attgtggtgt 158880 aacagttaaa atgagattat gatccacatt gttcctttga aacgcctaaa actaaaacat 158940 aacatgatga acaaggaaga caaaactgta tgagatcttt ttgtgattca ttagaagctt 159000 tgagtaggcg ggaacagtgt tgacatagga gagaaggaaa aggaagtgca aactgtacta 159060 tatttctaaa tttattcact gcataacaca caggcacaga acctgactga ggacaagact 159120 caggtcttct ctctcacggg accacaggta aacatttaaa ccaatttaaa taacttttt 159180 gatgttttta aatggttatc tatagcttgt atgacaatgt aagtatatta aaacacacca 159240 gagttattct gtagtcggga gcataattga tcacaagaag gaaaatcttg tcaggacagt 159300 agctgtctta ctaattaaaa tgttcagttt gataaaggag tctcatactt caggtaaagc 159360 aaaggccatt ttcattctgc cttgtatgag gtcaggccag ggactcagag gagcagagta 159420 aaacagacag atttctatcc tgatgctcat ttggtcaggt tctccaagga gaggaagtca 159480 ctctgttggt acagatttgg tgtagactgg ataacgactg ccagaaaaac tgaagtggtt 159540 tggtaaccaa aatcttgata aatatctgtg gacttcagag attgtcctgc aatttctgca 159600 gtgccattca ataaatataa atctttcttt acataataat aactactaca acaacaacat 159660 tttccagtcc ctctatcaga aaacaacatc aagaaggcac tactgaacag gtaagttaaa 159720 tgcaagaata taaagaagag attgtagtta gacttcgtga ataaaatggt aacactctaa 159840 aagcaaataa caactttgcc atacattata ttatctgaaa tgggtgacta gccagaaaaa 159900 ttccataagc ctaagagtta cacctaaata cattctcagt atcagctcct aattctatct 159960 agatccaaaa tgaggtagtg aaaagttcaa atgtcccatg tacaaaaaac tacttaaact 160020 tccctaggaa cattactttg ataatgagtt aagaatgaaa atgaacaaaa tatgcagctt 160080 acaaatccac acacttttga aaaccaaagg cagaaagaaa cacaaataaa agggcagatc 160140, tataaaagag gacatatcta taatcataga gaaatatgag atggataaca aaaacctaaa 160200 agaaactgct gctcccagca ggtggcacat ggtatgtgta gaacatataa cgtacaacta 160260 ggctattagt ttcaaaaggt acctacgtgc tccgttgcaa atgtaacatg taaatgtaaa 160320 atgtaaatgc aaatgtaact aatatgcact acatacatca ttttagacac tcaaatacta 160380 caattctgtc tgttgcctct ttccaggctg tagcaatgga acaggtctcg gcatcaattg 160440 gcaactttac agttgatctt ttcaacaagc tgaatgagac caacagggac aaaaacattt 160500 tcttttcccc ttggagcata tcatctgctc tcgccctgac atatctggct gcaaaaggca 160560 gtacagcaag agagatggca gaggtaagta gctctgtgaa gctatgatgc tcaacactgc 160620

Chicken Ovalbumin Locus.ST25 ccagcactgc tgttgagatg ccctgctccg ttgtcatagg gaaaaactac atttgagttt 160680 gcacaaatgc attgctattg ctgagtgcaa tggctgtgga agggatttca gccttgtagt 160740 gcacagacag aagcactgtg atgatgctca caggcaggag caatactatt ccttgttact 160800 gtaggggatt tacatatact agagctccag tgtccctctg attagatcag aagatagcac 160860 agtgtgttat cataaggatc caaacaagac aaccatttta tctcttttag gttttaggtc 160920 atgcaaactc tttcatgtca gtttcttacc tttggaaacc ctgtttgcag gttcttcatt 160980 tcactgaagc tgtgcgagct gaaagctctt ctgtggccag accttctcgg gggagaccaa 161040 aaagaagaag aatggtatct attaaacatg aaatcccaag ataagagttc aaatgtctgg 161100 atatagtttt taagagtcca ccatttcttg tttgcagctc tctttatgtt taaagtataa 161160 aacccaatat acttcgcatc acatccaatt tcagttccct tcactcattc agactcaaaa 161220 gtatagaagc acaagtcact ggtataatct gaaaggattg caatatggta aatcagttaa 161280 tcaaatcata aaaggagccc tgcaaactgc agtggtggtg aatttggaaa gataaaaagt 161340 aagagagag aacagaaatt cttcccccac atctacccct tagcgtttca aaaacttcat 161400 gccaaaaatg caactggtaa atgtacagtt tctctttcca aggaccctga gcatgagcaa 161460 gctgaaaaca tccactctgg attcaaagag ctcctgacag ccttcaacaa acccagaaac 161520 aactactcgc tgagaagtgc caaccgtatc tatgtggaaa aaacctacgc attgctgcct 161580 aaaaaaagaa aaaaaagttt tgcattgtat tcacttacca ttaatagaac agatctgaag 161700 ctgtccataa atgctgcaaa tgatgagtct tggcttccag tgataaactt cattggaaaa 161760 tacaatttgg tcttctccca gtatataaga atgcacttgg ctgtaatgca ggactccttt 161820 tcatgtaata cagctttatc actaggaacc tcagtacata caattgaaaa tgagatatta 161880 aaatacacat atccagggga tttgcacagt cttccttcct tctccaaata aaaatgggaa 161940 cgagagaata agagtatttc ctttggttat ttcctaacca ttaactcact gctcaataga 162000 gagcaaaatg ctagatcctg caattgcctg tgtgcaaaaa gttaacaaga agtccagtag 162060 ctaacaaatt actttttgga ctataaaaat actgtacaat acagaatgtt tccttctttc 162120 gttctttttg tatgccattt tccagacata tctacagctc agtaagaaat actataaggc 162180 agagccacag aaggttaact ttaagacagc accggaacaa tccagaaagg aaatcaacac 162240 ctgggtggaa aaacaaaccg agagtaagtt gagctcaact ccaacatcct tcctcttccc 162300 actgttccct tcgggaccct gttcccactc ctgtgactgt ggcatccagg tcatgccctc 162360 tggtgtgggc agtagatggc tgtctgcttc cagctgcttg ccttgagact gtggcgtttt 162420 ttcaggcagg agccaattgc tgtcagctag ccaggagaac tgggcaacaa acagcaaaca 162480 gactaactgg tttatgtcag ggaagtaatc cagggagtag ggcactgagg cttgcacttt 162540 ttcactaagg agttgaactg agtggataaa gaatcaacac attccctcac tgtgttacac 162600 tggagtaaag cctgactttt ctgatttcaa aaggtaaaat aaagaatttg ctgagttcgg 162660

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Chicken Ovalbumin Locus.ST25 atgcaaattg tgagtgaagc tggactgaaa attccactca ttctcattga cctaaggcaa 170880 gtctttcact tgatgcaatc ctgcaccgac aatggaaatt tctgcattta tcctaatatt 170940 tgtcaacagt actaaattca tctaaaatat gttagttaga accacgaacc tattctggat 171000 ccagctatga aaaattactt taaccctggg gtttctatgt ttttgttatt atctttgatt 171060 ttgtcccata aagagggaag cagaaagaga atgggaaatc tgcaggttct gataaaccag 171120 cacgaaagta gaacagagct gttgcttaaa atgggaactg tttggagttg tatgtaagac 171180 acaagagctt acttgaaaaa cagtcattaa caaatccagc tacagttgac aaatgcaggc 171240 ctacgctcac aaagatcaaa taacaatcta cagatctcca tcagccttct aaagcatgtg 171300 gcaaatggca tgaattcgca atagttcttt cagcagaaaa taatgcagtt taaggaagta 171360 ggaataaaag ctcagcgcag cacagtggga aatatttcta tttcgctccc tcagaatgga 171420 aggataattc taagaaactt aagtaaatgc tttttaagaa caagtttggt ttgggaaaac 171480 gttcctaaaa tagtgtttgt ctgatgatga ataagcgaaa cggctgaaac aagaatataa 171540 gcatttaaca gtgatgggaa agggagaaat agcgtaggtc ttaaaaaggg acttgctatc 171600 tgactgtacg tggcgttttg gccattacag agccatccca tcagcgtgtg tacaagggtg 171660 caggcaatct cctaccagca acttcccatt ttgttagatg ttgtgaagat gcagtcatca 171720 cctcctctg ctaatcattc gtctcaggct gtattgatgg agtgtctttc agcatcaacc 171780 aacagcttca ccctggacct ttacaaaaag ctggatgtaa cttccaaagg acaaaacatt 171840 ttctttgctc cttggagtat tgcaactgct ctcgctatgg tctatctggg tgcaaaaggt 171900 gacacagcaa cccagatggc taaggtaagt tctgaactta gcagtgtatc acttaaagct 171960 ggctcccacg tgacttgcat tattcacctg cctacgtgga acaaaaagga gcaacatgag 172020 agaacagtga tccgccatca tgttgggtgc aagaaaaaac actgcatgca gtcctgcagg 172080 acactgttgt tccaacttat ttccaagagc ccccttctct gctaccacct ctacctttag 172140 cttaaaattg ttctggcaga gtgaagctat ggacattaga gactgtcttc tcattctcca 172200 cacccagtta gtaagtcctc tgaacccaag cttggctgca cagcagcagc agcaacatct 172260 ttgcttgtga catggttagt ccataaataa ggtaatacac ccatgaagaa gggaaggttt 172320 agattggatg tcaggcggaa gtttttcaca gagaatggtg aggtgctgga acaggctgcc 172380 cacagagget gtggatgece ettecetgga ggtgtteaag gecaggttgg atgtggeeet 172440 gggcagcccg gtctagtatt aaatgtggag gttggtggcc ctgcctatgg aaagggattg 172500 gagetteatg ateettgggg teeetteeaa eecaageeae tetaegatte tatgaataat 172560 ggggatatac tagaaatgaa aatatgatat catttataac cacttttgca aaactttcgg 172620 tgatgtactc ctagattata tgcatttaca taaatgcatt tatctgtgta atgtactgta 172680 gagttgtaca ttggtgcctc aatagtaaga ctacaaacca tcctatgttg tttgttctgc 172740 ctgataacaa tctgaaaata aattccacat tgctaagcat gaattgacca tttctccaaa 172800 tcaatccatg tctgagcaat cacattgatc tgttattaag tagtaaatga ctaaaattaa 172860

Chicken Ovalbumin Locus.ST25 tataactatg atacggttat agaatctaaa tctagaccga ggtcttgttc tctataactt 172920 taatagacta acatttgtac gatggctaaa ttatcctaag tagaaaacta acatcattac 172980 gtaacactag agcacttcta tcttcacaaa acaaactgtc cttaagaaaa tttatcactg 173040 ccacaggttc ttcattttaa ccagactgca agagaagaaa gtccttctga gatgacagca 173100 ccttctctgc ggagcccaaa gagaagagac atggtattta ttttgacaag gctcacagaa 173160 acaaatctcg gagaatggga cagcacaact gccttaaccc tctgaaattt gtctgtctat 173220 acctactgtc ctattgcagt aagaactata cataaaaaat gtgaacaagc aggtaatatt 173280 actgtaaaac tcacgaactc agaacttcaa agcagaacag agacaccaga agcattctga 173340 ttgtctttta cactttgtta cttgctttta gctgctctat ggcaatagga atacctaata 173400 ttttactaac ttcaggattt ttttttttt ctgggctgta aaacagccat tgccttcaca 173460 tctgactcca gtcctgctct cttaaactct gttccacctt tgctatgcat gcacacatca 173520 ggcaaacaaa attcccctgt aagctaacac acactgattc acccttgctc atcagctccc 173580 cagagacttg acagcaggag gaactgcaca gaactcctta cgcctcaaag gtctgtcaac 173640 tcaaacaagc tgcaattctt tagcacagaa actaagaaag ctcaaagaaa ccaagttaga 173700 aaaactggaa ataaaaagga gcagttacat cattctccat ctagatggcc gtggattaat 173760 atttaagata aatcattatg tccacattga ttttagctat tcactgcctt tctaagttgc 173820 acagcaaggt ctgcctgatg tagccttcca gacatttctc tccattacct cttcactatg 173880 tacccattgc cttgcaaaac ctatctacta tcctgttctc taccaagttc ttccccacat 173940 gtcctttctg aaagcctgta cctctgcctg tgtgaaaaaa taccagagga aggaatgcct 174000 cctcaccaat cttatgacaa gcccccatgc atcagcagca aagaatctcg gtgtctcaca 174060 tgtagcgcat ggtacatgcc atggagcagg aaattatact gaagcagctt atccctacac 174120 tacgaaagca acagctgaca agcaagctcc tgctccctaa aaccatcacc aaggacattc 174180 tggacaggtt ccttccaaca tccaagcagt aacagcaaaa ttcacatcaa atagaaaatt 174240 cgaatcaact caattacatg acatcagtat ctgtctgaac agagtagctc ctcaaaagct 174300 gcaatgttgc cttaatgatt tttgtgataa tcaaaattag gcttgactgt gactggaatg 174360 agatgaccca atatcctggg tgcaccatct gaggacagct gatgtcctca aaggtgtaag 174420 cagctccgca gaatcaaatc ataaccccac agacataaaa caatgtatcc agttacacac 174480 agtgctgcaa aagtaccaga tacccgaaga agagctccat ccctgcacac actttttaaa 174540 ttaaaatgac ctggggattt taaataacca tagaaagtgt aatgcttcag ccaaaaatat 174600 ttcaatacta attggtgcct ctttccaagg gtcttgagta tgaggaaact gaaaacatcc 174660 actccggctt caaagaactc ctgtctgcca tcagcaaacc tagaaacact tacttgctga 174720 aaagtgctaa ccaactgttt gaggacaaaa cctacccatt actgcctgtg agttgaacgt 174780

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Chicken Ovalbumin Locus.ST25 gaactacaga aagctcctgt ctcttttgag cctatttctt gttagcatca ctgttggttc 174960 acttctcctc taaaggaagc ttctccatat cagtggtcat cttcctcccc cttctcacta 175020 tctattacat tctagcattt ctgagattgg aggccagagc tatatagaaa agtcacacca 175080 tacctttaca gagcggcata ttaacgttct cccttttatt acactgtcat ttccttcaac 175140 ttttcacatc atatttgctt gtttgactat tactgggcag attattttt tttttcatgc 175200 aactgtccat tagaacttca atacctcttt tctaaagcaa taatcatcct tattagtatg 175260 ctttgctgga tcattttcag atgtttcaat attgatactg taatctattt ccttcttctc 175320 ttagtttcta gccttttaaa caagatcttt ctctgtagtc ccacggatac tcagcttctt 175380 caaaagcctt tggtgagaag tcttccaaaa tgccttttgg caatcctaat tggctgtagt 175440 ggtttgacct tctcatttgc aagcttcttt acaccttcaa aaacctccaa aagattcatg 175500 atgtaggact tattgttaca aaatgctgtt ccaacacatc atgcttacct acgtgcccag 175560 taggcctgct tatccatttg ccctgtacag actcatgagc ttgtaattct gtgtatcttt 175620 gaaatctttt taagaaatgg cactgtatta atcatcctcc agtttcttgg aaggtgctgt 175680 taaatgaggt tagcgttctt tcatcttgga gttaagtttc agtctcctga gtaatttctc 175740 agtcattaaa ttcaatcagc cttactgaat gcttgttgct catgttctgc ataattttgt 175800 gtaaccgtgg tttaagacta atcagggaat ttcctgccgg gaatctccat gaacagtttc 175860 atagaagaca gtaatgtaaa agtcagttct agtttattct accataacat tcccttcata 175920 tctgaccctc tactgacctc acaaactctt ggcagcttga ctctgaagca aatcttaaaa 175980 cattgtttca actgtccttg aagctattct ttcttcttgt actgaactct gtcataaaac 176040 ataaaaatgt acttcaagtc agtctgagaa atcaaaaata atttaaaaaa atgtgtagaa 176100 tgtttatctc ataggatttc aaaattacaa atttgcatgt tggatttaaa acacaaaact 176160 ttcaagcatc atttttgtg aaacacaaat actgaatttt tgatcagtcc ttgcttatta 176220 tttaacacag aatcataatc acagaatcat agaatggcct gggttgaaaa ggaccacaat 176280 gatcatcgag tttcaacccc tctgctatat gcagggtcaa caaccagcag accaggctgc 176340 ccagagccac atccagcctg gcctggaatg cctccaggga tgggcatcca caacctcctt 176400 gggcaacctg ttccagtgtg tcaccaccct ctgtgtgaaa aacttcctcc taatatctaa 176460 cctaaacctc ccctgtctca gtttaaaaac cattccccct tgtcctatca ctgtccaccc 176520 tcataaacag tcattccccc tccagtttat acactccttt caaatattgg aaggccacaa 176580 tgaggtctcc ctggagcttt ctcttctcca agctaaacaa gtccagtccc ctcaaccctt 176640 cttcatagga gaggtgctcc agccctctga tcatcttagc agccatcatc acagaatgta 176700 tcagaatttg ttttacgggt tatctagttt caaatgaatt acattttctt ccagtatgta 176760 ttagtatgta ttgcatgatc tgttgagatg atctttttct actatttttg tgcttaaatt 176820 taactatata agcatacatt ttccaattct atccttcaga aatttttaca actgatcaca 176880 aggtactacc aagcaaagcc acaagctgta aactttaaga cagatgcgga acaagccaga 176940

Chicken Ovalbumin Locus.ST25 gcacagatca attcctgggt tgaaaacgaa actgagagta agtatcgctc tgatggcttt 177000 ttcttttctc acttcaaaat catttgcatt tccacttgaa ttgctcttgc agtaagggat 177060 ccataaagga tggaaactgt ggggaaatga tgaacaaatt gcagttaaat gtcttgaaga 177120 aagccaacca ccaaaactaa ctgctgcccc ttgcaaagtt tttcccttga tttttcatgt 177180 catagtetet tetgaagtat ttetgtteat aaggaageag agtggataet acatggetee 177240 actctgatca gtgaaggttt tacttctgca agcttcaact ggttgcagcc aactccagag 177300 aacttccacg ctttacacac ttcttaacat cttttactac taaaactgaa ataaatatgg 177360 tttaaaaaac agtgatgctt caaaagccat ttatgtatgt acgctgtgaa aaatgcacag 177420 ggaaaaaaaa tctctgagtg taaacacttt tgttagatag ctaggcatag agaaagcaca 177480 tctgaaattg gtgagttgtg cattcgcagc gaattaacag tcctatctat ttgattttta 177540 agggaagatc cagaatctgc tacctgcagg atctcttgat tctgacactg tattggtctt 177600 agtaaatgct atttacttca aaggaaactg ggaaaagagg tttctggaaa aagacacatc 177660 cgagatgccc ttcagattaa gcaaggtaaa ttccttcaaa atgtctatta tggcagagca 177720 agaatcctct aaatatttca cctgcatttc acatcccagt acaacactac ttacagcagt 177780 agcagatggt ataaactctg agaacagcaa cagtgaaaat aaatcagcag tctcatttat 177840 acagatgcat gagattagga ttttcagtta agttagtagc ttcttggcac caaaacagtt 177900 gaaaacacca tggttaagca gcttaaggac aagagaaagt ttctctaagt actgagatat 177960 cattttcaga aggaattgag ctaattctga gagcagtact tcgacaccta ggtctctttt 178020 catgcttttc agacagaggc tgtataatgt gagctcaagt agcctaagtg ttctttccta 178080 atgccctggc cattgcgtaa aacctcacgt ggaattctca agagggtttg tcattttagc 178140 cagatgcgta tggatgatgt gttcagcatg cattgtgggc acgactgagc ttacagtatc 178200 tcagtgattg tgcatggaca atttacagta gctgacagca tgcatacttt cggcttgtgt 178260 caaaggtgag caaaaagaat tttcattcag aacacgttgt ttgacatgag attacgagtg 178320 caaacacctt ttgtatgtct ggtgatgtga agcaattgtg tcgatactgt ggctgtgtta 178380 tctgaaacct actacattgc atgcgcagtt ttaggacctg taatagtaca cggtgcacag 178440 aaagggtttc attcacagag tggctgatag caaagcctgc aaacagataa gcttttgcac 178500 ttgtgtaaca atggaaaaga gagagtggat atatcagtga aggtctctga gcataataca 178560 gcgtaagagt tcagatgatt actgtctaac gcgatttcag ttggtaatcc aaacctctac 178620 agtttgggaa agagaaaaaa caagcagagg tcacagcaaa tatggtccat aggtaaattc 178680 aatcaatcag tgctgtccgg aagcatacaa aagagttgat gacatccaga gaatgaaagt 178740 cagcattttt ttcccctccc aatcaacaca ttcactcaag aaatgtaaag ttttggggaa 178800 aacttgaaac atacaaagta gtttcttgtt taccaaagct aactctttca aaagagtgag 178860 aaatacattg catgtaatta tgttatcagg tggtgtctgt gctttttttt tcttttttt 178920 cttttcttct gaagatccct ttgactttga aacaggagaa atggcactgg gaaagaataa 178980

Chicken Ovalbumin Locus.ST25 tgccaagtct tatacttgtt tacaattttt ttttgccttc agttcaacaa agcaagtaat 179040 ctttaccatt caccttaagg aataagtaca actaatcttt ttcttttctg ttcttttta 179100 acatctgaat catttcacag accaagacta aagcagtaca gatgatgttt ctcagagata 179160 catttttgat gctccatgaa caaacaatga aattcaaaat tattgagctg ccgtacgcgg 179220 aaaatgaact cagcatgttc gtactcctac cagatgacat cagtgataac actactggtc 179280 tggagctggt aaaactgaca tactgcatca cacgcactac aaagcactaa cagaaataga 179340 tgaaaacagt gaggaagaat gaacttcaaa tgacacaatg actgctcagc ctaggtttca 179400 gggcatctat taatgatgca aaaatacaaa tctacctgag gatacaccta aaaaagtatg 179460 cccactctac tctcttagcc tattcggtgc ctccttttct acctccagaa tagcagaata 179520 acgaaagcaa gaatcaaatc taaaccactg tgccccagaa ttaatcttct gagggcaaca 179580 ctaaccagtt ttatgtcatc cgcagtccag atttccacct gatactttgt aacgaggctt 179640 ttcaaactcg gggctgactt accttgaccc atgaggtatc agcagccact catgaccgtg 179700 ccaggattag ttcctgaatc taaatacatc agagcttcag aatctaaata catcagggca 179760 aatatctttt tatttgctct tgaggtccca tgcattccac ttacttacca ctactaagag 179820 aaatgcctta caaattcaca cataccaagc acttattaat gtggttaagt tggacactgc 179880 ataaaagcaa cacttctcat atccacctcc aaaataatga attattctga aggttcactc 179940 tacacctcac tgcatttaag gaaacagata gaagtacagg tcactcagca ctatgcagga 180000 tcacatccta agaatatgca gcacatttca gctgtactca cagctggtag ttggaccttt 180060 taaatctaga gcattagaca ccaatgtatg catgccttct tttttctgtt gcattatgac 180120 tatattctta taaaattcat tgcaggtaga aagagagctg acccacgaaa aattagctga 180180 atggtccaac tcagcccgta tgatgaaagt cgaagtggaa ctgtacctgc ccaagttgaa 180240 gattgaagaa aattatgatc ttacatccac tttgagcaac atggggatac aaaatgcttt 180300 tgaccctgtt caggctgatt tcacaaggat gtcagcaaag aaggacttct tcctatcaaa 180360 agttattcac aaagcttttg tggaggtcaa tgaagaaggt accgaggcag cagctgccac 180420 aggtgtcctg gtgttgaggt caagaacacc tagagtaact ttcaaagccg accacccttt 180480 tctcttcttc atcagacaca acaaatccaa aaccatcctc ttctttggca gactatgctc 180540 accttagtca gagtcactcc ctgctctaca gagcaggaga tgctggcttg ccagctcaag 180600 ggcagagctt gatactcctg ctgcagctga gggactaaga cctgcactct ttcagactac 180660 acattccaca gcccaaggca aagcttcaac tactccagat agccatagca gtgcctgtag 180720 atgcatttga ttccttcctc ttgcagcagt agatacaaac acatggcact atcttcgttc 180780 tcacaagtag agcacctgat tcaggtgtgc atcttcaccc ttccaccctg ccataattag 180840 cccctgctcc tctgtagctc ttgactagtt ctttttgtta cagaggcaca cacagcccaa 180900 gcttaagtct ttaccagttc acttccattc tactgattgc ctgaaagaca taacaagcac 180960 acactcccac gtgggctatt tcctcgcacg gagttacagg tgtgacagaa gagcctgacc 181020

Chicken Ovalbumin Locus.ST25 catgctgctg actttataca aagcagcacc tgcttcaaaa atagcagtac tgataataaa 181080 caacccctcg tagcttgatg gtgctttctg tcagctctac caggagggga aggcagaagg 181140 ggaaatcaag cagcgacaag aggctcgcgg aggtagcgac ctccgagcta aaatggccgc 181200 ctcccactgc tgcagcgagt gctcagggcc gctttccgca gctgagctcc agccctctcc 181260 cccacgatgg gcggcccgtg gctaggcaaa aacttccggg aggagggcgg ggcagaggcc 181320 aggggaaagc tggtgctcgg ctgggtgagt gtggagggtc tgtgttgttg ttttctgcgg 181380 gaaacacgca ttggtttttt gaggggagac ggtagcgttt ccctcgcggc ggcgctctga 181440 gcggtttcgg cgggcgcggc cgccgggcgt tgaccgggtg ctggaggcgg gaggggcccc 181500 gcagagttcc gcaccgctgg aatccatccc tgtcatccag ccctgcctct gtgggttttg 181560 tggcaaacag gcggaaatcg atggagaggt gcgagcttca gcctgttctg agtcacaggg 181620 agagagcttg gccaattgtc ctgcgcccag ccttattgga gctgtaaggt gcacgggatt 181680 aaatcgctcc tgcttcaggc agaatggaag gactgtttca gtccaagttt tcttttcatc 181740 agtgttttta tggctatggg cagaaggaaa catgagtaca gctgcagctg ttgaacgtag 181800 ccaagctcct accaagaatt tgtcttagag gaaacatgcc tgaggaaact tgctgctacc 181860 gcttgtttga gatgatgaat cattaataca aagtaggcgt tggctctgta ttttctagca 181920 acgtaccaac accaggcact gccttagggg aaaaaaaaca aaccaccttt actactagtt 181980 gatatcctgc gatgtctgct ggcacttatc tgtaacttac tccacgttct ggcactcgtt 182040 gctccttcct gtaggtatgt agtataactt cggattagtt agctacctgc tcggctgacg 182100 tatgtgaagt ctgacaagca ctgagctacg tatgtgccat gaagttccca ataaaccgtt 182160 tactttattg cgtctgtttc catcgtgtag acaataaaag gcaaactgca gtggactttg 182220 attttgtacc acagcaggaa accccagtaa tctgtaatgc tgaccagata aatttcgttt 182280 gaatattgta gatcgagtca ttcagttgga ttctggcaga ctgactgcta ggtctagaac 182340 acaagtgaag taatcttgaa gggaatactg aagacacaca gactttgaga aggtgagttt 182400 ataattctgc cattctgata cctttctgct ttggttttcc tgtaaagcaa ataactgtct 182460 ctgtggagcc aaaggagact tattctacca agtcctagta tgctcatctc aaaaaatata 182520 gtattattta ctccatgaag aagaccaatg acttttcctc actacaagaa agacattgag 182580 gtcttggagt gtttccagag aagggcaaga aagccgtgaa gggtctggag cacaagtctt 182640 actattgagt ggctgagggg gctgggattg tacagcctga agaagaggag gctcagagga 182700 gactttatca ctctgtacag tgacctgaaa ggaggttgta gttggcctct tttcctgggt 182760 aacagcaata ggatgagagg ggatggtctc aagttgtgtc aaaggaggtt cagatgggat 182820 attatgaaca atttattttc cgagtggtga ggcactggca cagactgccc aggaaggtgg 182880 tggagtcacg tctctggagg catttaagaa acatgtaaat atggcactga gggatgtggg 182940 ttagtggaca tggtgggaat gggttgacag ttgtactaga tgatcttata tttgctttat 183000 ggtttatatt gagaaatgta aaagacagaa ataggttgtc agtttgtgat caaataaatt 183060

Chicken Ovalbumin Locus.ST25 taagccaatc ttcattttt tttttctcct aggctttgaa ccatggatag cctcagtgca 183120 gcaaattcca cttttgctct tgacctttta aatgagctgc gtgagaaaag cagcacaaag 183180 aatctattct tttctccttt tagtatttct tctgctttgt ctatgatttt actgggttca 183240 aaaggggaca ctgaagccca gatagcaaag gtatgtatcc aaacgtaatg tattggattt 183300 gatgcatata tcatctactt aatgatatat gaactacaga tctgagatct gtattacagt 183360 ctgtgacctc taattgctga attgttacag tcattctggc ctcagaggtc agaagtcttc 183420 cttaggtatg tacataagca gaacctattt ctattgagtt tatgtatagg acttactgca 183480 gtgtgaaatt aagagattcc tgttttttgg ggtgtgtgtg ggtttttgtt tgtgatacgg 183540 agatcttcct tttatatgtc attaacaggc acctggaatt tcttttttt tttacttaca 183600 tatttgtata tttagagcta tagatgaatc tccagttaca taaaataatt tactctgtaa 183660 tctttttggg cttaatatca gactttgcat acttcaaaaa tgtagccaga taatcaaggg 183720 aaaaaaaatc caacatacaa gcatgtcatg ttaaacagtc ccagatttta ggaaacaaac 183780 aaaaaaatga tcagttgctt gttcagtgta atagcttttg ttttcacaac ctgtaatctc 183840 aatcctggaa catccagaag aaagaagtga tacagggcta agaacatagc tctgaagttc 183900 cagagaatac cccagcaaag attcaatggg gcaaagctgc gtggccagtg aagagtaaaa 183960 ttcataatgt aaacttgcaa ttaaattacc aggagagcag ttaaggagtg cagtggtggg 184020 cctgttgtgt gacagtaggg tcaaatctat cattaactgc agtgcagttt attctacgtt 184080 cactaaggtg cgtgcctgcc tctctcttc tggtattgta atttggagta gatcatcaat 184140 actttttcat ttgtagctat ggtagtagtg atgaggctga atgaggatga agctgatgtg 184200 ttgttttaat gggaatttaa atatttgctt gtgttgacat cggctccagc agcctatttc 184260 ctgttatcgc ttgaaggatc gggtttgcat ctaaggtatt aaataagatg ctttggtgct 184320 attataatca gtgtgaaaaa ttatggaaag ttgtttttt ttatttaatc ttcaggctcc 184380 tttgtttctg gattttaaca gttttgctag gttttatagg gtggagatta taaatcctca 184440 gttctctaag aagtactgtg tacagcatta agaaaagggc agaatgtgtc tgcactcaga 184500 cttctttgga ggctggatgg gttccttaga aagcagggag ataaaccagg taacctccat 184560 agcttccttc caacctcaac cattgtgtga tcctctaatg cttggacaaa atgaagataa 184620 ataccactca cttttcagca acgtaatttc ttgcttatac aacatctgtg tggatacatt 184680 gtacgtgact tgtgtaatga aaaatctgct ggcttcaagt ctcaaaactc atttaaaaac 184740 agaacaattg tgctgatgca agtgtgtcag agattacgtg gactccacag aaggtatttg 184800 tctctctgca ggtgctttct ttgaacaaag ctgaggatgc tcacaatggg tatcagtcgc 184860 ttctctctga aattaacaac cctgacacca aatacatcct cagaactgct aaccgacttt 184920 atggagaaaa gacatttgag tttctctcag taagtaaaca ttaaatttgg gtgttgtgaa 184980 gtataatgta cttgctagct attccccttg aaggttagat aaaggctttg ggttttactc 185040 tccaaatttt tctaggctga gacttacaac ctgagagtct atgcaaaaag caggatgtga 185100

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